

# References

1. Aarts WM, Willemze R, Bende RJ, Meijer CJ, Pais ST, van Noesel CJ (1998). VH gene analysis of primary cutaneous B-cell lymphomas: evidence for ongoing somatic hypermutation and isotype switching. *Blood*. 92(10):3857-64. PMID:9808579
2. Aavikko M, Kaasinen E, Nieminen JK, Byun M, Donner I, Mancuso R, et al. (2015). Whole-genome sequencing identifies STAT4 as a putative susceptibility gene in classic Kaposi sarcoma. *J Infect Dis*. 211(11):1842-51. PMID:25492914
3. Abbas O, Mahalingam M (2009). Cutaneous sebaceous neoplasms as markers of Muir-Torre syndrome: a diagnostic algorithm. *J Cutan Pathol*. 36(6):613-9. PMID:19515040
4. Abbas O, Mahalingam M (2009). Tumor of the follicular infundibulum: an epidermal reaction pattern? *Am J Dermatopathol*. 31(7):626-33. PMID:19633534
5. Abbas O, Richards JE, Mahalingam M (2010). Fibroblast-activation protein: a single marker that confidently differentiates morpheiform/infiltrative basal cell carcinoma from desmoplastic trichopilelioma. *Mod Pathol*. 23(11):1535-43. PMID:20711172
6. Abbasi NR, Brownell I, Fangman W (2007). Familial multiple angioliomatosis. *Dermatol Online J*. 13(1):3. PMID:17511936
7. Abbott JJ, Ahmed I (2006). Adenocarcinoma of mammary-like glands of the vulva: report of a case and review of the literature. *Am J Dermatopathol*. 28(2):127-33. PMID:16625074
8. Abbott JJ, Erickson-Johnson M, Wang X, Nascimento AG, Oliveira AM (2006). Gains of COL1A1-PDGFB genomic copies occur in fibrosarcomatous transformation of dermatofibrosarcoma protuberans. *Mod Pathol*. 19(11):1512-8. PMID:16980946
9. Abbott JJ, Hernandez-Rios P, Amir Khan RH, Hoang MP (2003). Cystic sebaceous neoplasms in Muir-Torre syndrome. *Arch Pathol Lab Med*. 27(5):614-7. PMID:12708909
10. Abbott JJ, Oliveira AM, Nascimento AG (2006). The prognostic significance of fibrosarcomatous transformation in dermatofibrosarcoma protuberans. *Am J Surg Pathol*. 30(4):436-43. PMID:16625088
11. Abdulkader M, Kuhar M, Hattab E, Linos K (2016). GATA3 positivity in endocrine mucin-producing sweat gland carcinoma and invasive mucinous carcinoma of the eyelid: report of 2 cases. *Am J Dermatopathol*. 38(10):789-91. PMID:27533071
12. Abel R, Dougherty JW (1962). Nevus lipomatous cutaneus superficialis (Hoffman-Zurhelle); report of two cases. *Arch Dermatol*. 85(4):524-6. PMID:13858911
13. Aboud MJ, Kadhim MM (2015). Langerhans-cell histiocytosis (LCH) a presentation of two siblings with two different entities. *Springerplus*. 4:351. PMID:26191478
14. Aboutaleb A, Korman JB, Sohani AR, Hasarian RP, Louisaint A Jr, Le L, et al. (2013). Neutropenic cutaneous myeloid sarcoma. *J Cutan Pathol*. 40(12):996-1005. PMID:24274424
15. Abu-Hilal M, Breslavet M, Ho N, Taylor G, Pope E (2016). Hobnail hemangioma (superficial hemosiderotic lymphovascular malformation) in children: a series of 6 pediatric cases and review of the literature. *J Cutan Med Surg*. 20(3):216-20. PMID:26475078
16. Ackerman AB (1979). Subtle clues to diagnosis by conventional microscopy. The patch stage of Kaposi's sarcoma. *Am J Dermatopathol*. 1(2):165-72. PMID:549492
17. Ackerman AB, Wade TR (1980). Tricholemmoma. *Am J Dermatopathol*. 2(3):207-24. PMID:7258553
18. Ackerman BA, Reddy VB, Soyer HP, editors (2001). *Neoplasms with follicular differentiation*. 2nd ed. New York: Ardor Scribendi.
19. Acs G, Simpson JF, Bleiweiss IJ, Hugh J, Reynolds C, Olson S, et al. (2003). Microglandular adenosis with transition into adenoid cystic carcinoma of the breast. *Am J Surg Pathol*. 27(8):1052-60. PMID:12883237
20. Adachi Y, Kosami K, Mizuta N, Ito M, Matsukawa Y, Kanata M, et al. (2014). Benefits of skin biopsy of senile hemangioma in intravascular large B-cell lymphoma: a case report and review of the literature. *Oncol Lett*. 7(6):2003-6. PMID:24932279
21. Adamski H, Le Gall F, Coindre JM, Kerbrat P, Chevrand-Breton J (1998). Recurring atypical ("pseudosarcomatous") cutaneous fibrous histiocytoma. *Eur J Dermatol*. 8(2):122-4. PMID:9649666
22. Agaimy A, Bieg M, Michal M, Gedder H, Märkl B, Seitz J, et al. (2017). Recurrent somatic PDGFRB mutations in sporadic infantile/solitary adult myofibromas but not in angioleiomyomas and myopericytomas. *Am J Surg Pathol*. 41(2):195-203. PMID:27776010
23. Agaimy A, Michal M, Giedl J, Hadravsky L, Michal M (2017). Superficial acral fibromyxoma: clinicopathological, immunohistochemical, and molecular study of 11 cases highlighting frequent Rb1 loss/deletions. *Hum Pathol*. 60:192-8. PMID:27825811
24. Agar NS, Wedgeworth E, Crichton S, Mitchell TJ, Cox M, Ferreira S, et al. (2010). Survival outcomes and prognostic factors in mycosis fungoides/Sézary syndrome: validation of the revised International Society for Cutaneous Lymphomas/European Organisation for Research and Treatment of Cancer staging proposal. *J Clin Oncol*. 28(31):4730-9. PMID:20855822
25. Agis H, Weltermann A, Fonatsch C, Haas O, Mitterbauer G, Müllauer L, et al. (2002). A comparative study on demographic, hematological, and cytogenetic findings and prognosis in acute myeloid leukemia with and without leukemia cutis. *Ann Hematol*. 81(2):90-5. PMID:11907789
26. Agnarsson BA, Vonderheid EC, Kadin ME (1990). Cutaneous T cell lymphoma with suppressor/cytotoxic (CD8) phenotype: identification of rapidly progressive and chronic subtypes. *J Am Acad Dermatol*. 22(4):569-77. PMID:2138636
27. Agnihotri S, Jalali S, Wilson MR, Danesh A, Li M, Kironomos G, et al. (2016). The genomic landscape of schwannoma. *Nat Genet*. 48(11):1339-48. PMID:27723760
28. Agoston AT, Liang CW, Richkind KE, Fletcher JA, Vargas SO (2010). Trisomy 18 is a consistent cytogenetic feature in pilomatricoma. *Mod Pathol*. 23(8):1147-50. PMID:20495544
29. Aguilar C, Rosai J (2011). Pleomorphic fibroma of the skin, atypical lipomatous tumor, or both? *Int J Surg Pathol*. 19(1):63. PMID:21123246
30. Aguilera NS, Tomaszewski MM, Moad JC, Bauer FA, Taubenberger JK, Abbondanzo SL (2001). Cutaneous follicle center lymphoma: a clinicopathologic study of 19 cases. *Mod Pathol*. 14(9):828-35. PMID:11557777
31. Ahn CS, Guerra A, Sangüeza OP (2016). Melanocytic nevi of special sites. *Am J Dermatopathol*. 38(12):867-81. PMID:27870726
32. Ahn HK, Suh C, Chuang SS, Suzumiya J, Ko YH, Kim SJ, et al. (2012). Extranodal natural killer/T-cell lymphoma from skin or soft tissue: suggestion of treatment from multinational retrospective analysis. *Ann Oncol*. 23(10):2703-7. PMID:22547542
33. Ahn SK, Ahn HJ, Kim TH, Hwang SM, Choi EH, Lee SH (2002). Intratumoral fat in neurofibroma. *Am J Dermatopathol*. 24(4):326-9. PMID:12142613
34. Aird I, Johnson HD, Lennox B, Stansfeld AG (1954). Epithelioma circunculatum: a variety of squamous carcinoma peculiar to the foot. *Br J Surg*. 42(173):245-50. PMID:13219306
35. Aissani B, Boehme AK, Wiener HW, Shrestha S, Jacobson LP, Kaslow RA (2014). SNP screening of central MHC-identified HLA-DMB as a candidate susceptibility gene for HIV-related Kaposi's sarcoma. *Genes Immun*. 15(6):424-9. PMID:25008864
36. Akay BN, Saral S, Heper AO, Erdem C, Rosendahl C (2017). Basosquamous carcinoma: dermoscopic clues to diagnosis. *J Dermatol*. 44(2):127-34. PMID:27570202
37. Al Dhaybi R, Lam C, Hatami A, Powell J, McCuaig C, Kokta V (2012). Targetoid hemosiderotic hemangiomas (hobnail hemangiomas) are vascular lymphatic malformations: a study of 12 pediatric cases. *J Am Acad Dermatol*. 66(1):116-20. PMID:21798621
38. Al Habeeb A, Weinreb I, Ghazarian D (2009). Primitive non-neural granular cell tumour with lymph node metastasis. *J Clin Pathol*. 62(9):847-9. PMID:19734486
39. Al-Arashi MY, Byers HR (2007). Cutaneous clear cell squamous cell carcinoma in situ: clinical, histological and immunohistochemical characterization. *J Cutan Pathol*. 34(3):226-33. PMID:17302606
40. Al-Daraji WI (2008). Granular perineurioma: the first report of a rare distinctive subtype of perineurioma. *Am J Dermatopathol*. 30(2):163-8. PMID:18360122
41. Al-Daraji WI, Miettinen M (2008). Superficial acral fibromyxoma: a clinicopathological analysis of 32 tumors including 4 in the heel. *J Cutan Pathol*. 35(11):1020-6. PMID:18537858
42. Al-Qattan MM (2014). Fibroma of tendon sheath of the hand: a series of 20 patients with 23 tumours. *J Hand Surg Eur Vol*. 39(3):300-5. PMID:23212985
43. Al-Zaid T, Ditelberg JS, Prieto VG, Lev D, Luthra R, Davies MA, et al. (2012). Trichilemmomas show loss of PTEN in Cowden syndrome but only rarely in sporadic tumors. *J Cutan Pathol*. 39(5):493-9. PMID:22486434
44. Al-Zaid T, Frieling G, Rosenthal S (2013). Dermal pleomorphic liposarcoma resembling pleomorphic fibroma: report of a case and review of the literature. *J Cutan Pathol*. 40(8):734-9. PMID:23651098
45. Al-Zaid T, Wang WL, Lopez-Terrada D, Lev D, Hornick JL, Hafeez Diwan A, et al. (2013). Pleomorphic fibroma and dermal atypical lipomatous tumor: are they related? *J Cutan Pathol*. 40(4):379-84. PMID:23506010
46. Alain G, Touisant J, Rozenfarb E (1993). Chronic arsenic toxicity. *Int J Dermatol*. 32(12):899-901. PMID:8125698
47. Alam M, Desai S, Nodzenski M, Dubina M, Kim N, Martini M, et al. (2015). Active ascertainment of recurrence rate after treatment of primary basal cell carcinoma (BCC). *J Am Acad Dermatol*. 73(2):323-5. PMID:26183979
48. Alayed K, Medeiros LJ, Patel KP, Zuo Z, Li S, Verma S, et al. (2016). BRAF and MAP2K1 mutations in Langerhans cell histiocytosis: a study of 50 cases. *Hum Pathol*. 52:61-7. PMID:26980021
49. Alayed K, Patel KP, Konoplev S, Singh RR, Routbort MJ, Reddy N, et al. (2013). TET2 mutations, myelodysplastic features, and a distinct immunoprofile characterize blastic plasmacytoid dendritic cell neoplasm in the bone marrow. *Am J Hematol*. 88(12):1055-61. PMID:23940084
50. Albus J, Batanian J, Wenig BM, Vidal CI (2015). A unique case of a cutaneous lesion resembling mammary analog secretory carcinoma: a case report and review of the literature. *Am J Dermatopathol*. 37(4):e41-4. PMID:25140660
51. Alcaraz I, Cerroni L, Rütten A, Kutzner H, Requena L (2012). Cutaneous metastases from internal malignancies: a clinicopathologic and immunohistochemical review. *Am J Dermatopathol*. 34(4):347-93. PMID:22617133
52. Ali Khan A, Ibrahim OA, Eisen DB (2012). Congenital melanocytic nevi: where are we now? Part I. Clinical presentation, epidemiology, pathogenesis, histology, malignant transformation, and neurocutaneous melanosis. *J Am Acad Dermatol*. 67(4):495.e1-17. PMID:22980258
53. Alkatan HM, Al-Arfaj KM, Maktabi A (2010). Conjunctival nevi: clinical and histopathologic features in a Saudi population. *Ann Saudi Med*. 30(4):306-12. PMID:20622349
54. Alkhalidi H, Ghazarian D (2007). Cellular neurothekeoma with a plexiform morphology: a case report with a discussion of the plexiform lesions of the skin. *J Cutan Pathol*. 34(3):264-9. PMID:17302611
55. Allen CE, Li L, Peters TL, Leung HC, Yu A, Man TK, et al. (2010). Cell-specific gene expression in Langerhans cell histiocytosis lesions reveals a distinct profile compared with epidermal Langerhans cells. *J Immunol*. 184(8):4557-67. PMID:20220088
56. Allen CE, Parsons DW (2015). Biological and clinical significance of somatic mutations in Langerhans cell histiocytosis and related histiocytic neoplastic disorders. *Hematology Am Soc Hematol Educ Program*. 2015(1):559-64. PMID:26637772
57. Allen PW, Dymock RB, MacCormac LB (1988). Superficial angiomyxomas with and without epithelial components. Report of 30 tumors in 28 patients. *Am J Surg Pathol*. 12(7):519-30. PMID:3389450
58. Allen PW, Ramakrishna B, MacCormac LB (1992). The histiocytoid hemangiomas and other controversies. *Pathol Annu*. 27(Pt 2):51-87. PMID:1584628
59. Allen PW, Strungs I, MacCormac LB (1998). Atypical subcutaneous fatty tumors: a review of 37 referred cases. *Pathology*. 30(2):123-35. PMID:9643489
60. Allison KH, Patel RM, Goldblum JR, Rubin BP (2005). Superficial malignant peripheral nerve sheath tumor: a rare and challenging



- diagnosis. *Am J Clin Pathol.* 124(5):685–92. PMID:16203275
61. Allon I, Buchner A (2012). Warty dyskeratoma/focal acantholytic dyskeratosis—an update on a rare oral lesion. *J Oral Pathol Med.* 41(3):261–7. PMID:21936875
62. Ally MS, Tang JY, Joseph T, Thompson B, Lindgren J, Raphael MA, et al. (2014). The use of vismodegib to shrink keratocystic odontogenic tumors in patients with basal cell nevus syndrome. *JAMA Dermatol.* 150(5):542–5. PMID:24623282
63. Aloï F, Tomasini C, Pippione M (1993). Cutaneous lymphadenoma. A basal cell carcinoma with unusual inflammatory reaction pattern? *Am J Dermatopathol.* 15(4):353–7. PMID:7692756
64. Altman DA, Mikhail GR, Johnson TM, Lowe L (1995). Trichoblastic fibroma. A series of 10 cases with report of a new plaque variant. *Arch Dermatol.* 131(2):198–201. PMID:7857118
65. Amaravati R (2002). Rare malignant transformation of a calcifying aponeurotic fibroma. *J Bone Joint Surg Am.* 84-A(10):1889. PMID:12377925
66. Ambrojo P, Aguilar A, Simón P, Requena L, Sánchez Yus E (1992). Basal cell carcinoma with matrical differentiation. *Am J Dermatopathol.* 14(4):293–7. PMID:1503202
67. Ambrojo P, Cogolludo EF, Aguilar A, Sánchez Yus E, Sánchez de Paz F (1990). Cutaneous lymphangiectases after therapy for carcinoma of the cervix—a case with unusual clinical and histological features. *Clin Exp Dermatol.* 15(1):57–9. PMID:2311281
68. Amin MB, Edge S, Greene F, Byrd DR, Brookland RK, Washington MK, et al., editors (2017). *AJCC cancer staging manual.* 8th ed. New York: Springer.
69. Amin SM, Beattie A, Ling X, Jennings LJ, Guitart J (2016). Primary cutaneous mammary analog secretory carcinoma with ETV6-NTRK3 translocation. *Am J Dermatopathol.* 38(11):842–5. PMID:27763904
70. Amin SM, Cooper C, Yélamos O, Lee CY, Sholl LM, de la Fouchardiere A, et al. (2015). Combined cutaneous tumors with a melanoma component: a clinical, histologic, and molecular study. *J Am Acad Dermatol.* 73(3):451–60. PMID:26209219
71. Amos CI, Wang LE, Lee JE, Gershenwald JE, Chen WV, Fang S, et al. (2011). Genome-wide association study identifies novel loci predisposing to cutaneous melanoma. *Hum Mol Genet.* 20(24):5012–23. PMID:21926416
72. Amyere M, Domp Martin A, Wouters V, Enjolras O, Kaitila I, Docquier PL, et al. (2014). Common somatic alterations identified in Mafucci syndrome by molecular karyotyping. *Mol Syndromol.* 5(6):259–67. PMID:25565925
73. Andersen WK, Labadie RR, Bhawan J (1997). Histopathology of solar lentiginosities of the face: a quantitative study. *J Am Acad Dermatol.* 36(3 Pt 1):444–7. PMID:9091478
74. Angervall L, Dahl I, Kindblom LG, Säve-Söderbergh (1976). Spindle cell lipoma. *Acta Pathol Microbiol Scand A.* 84(6):477–87. PMID:998247
75. Ansaï S, Kimura T (2009). Rippled-pattern sebaceoma: a clinicopathological study. *Am J Dermatopathol.* 31(4):364–6. PMID:19461240
76. Ansaï S, Mihara I (2000). Sebaceous carcinoma arising on actinic keratosis. *Eur J Dermatol.* 10(5):385–8. PMID:10882948
77. Ansaï S, Watanabe S, Aso K (1989). A case of tubular apocrine adenoma with syringocystadenoma papilliferum. *J Cutan Pathol.* 16(4):230–6. PMID:2551940
78. Ansaï SI (2017). Topics in histopathology of sweat gland and sebaceous neoplasms. *J Dermatol.* 44(3):315–26. PMID:28256768
79. Antonescu CR, Le Loarer F, Mosquera JM, Sboner A, Zhang L, Chen CL, et al. (2013). Novel YAP1-TFE3 fusion defines a distinct subset of epithelioid hemangioendothelioma. *Genes Chromosomes Cancer.* 52(8):775–84. PMID:23737213
80. Antonescu CR, Scheithauer BW, Woodruff JM (2013). Tumors of the peripheral nervous system. In: *AFIP atlas of tumor pathology.* Series 4, Fascicle 19. Washington, DC: American Registry of Pathology Press.
81. Antonescu CR, Sung YS, Zhang L, Agaram NP, Fletcher CD (2017). Recurrent SRF-RELA fusions define a novel subset of cellular myofibroblastoma/myopericytoma: a potential diagnostic pitfall with sarcomas with myogenic differentiation. *Am J Surg Pathol.* 41(5):677–84. PMID:28248815
82. Antonescu CR, Zhang L, Nielsen GP, Rosenberg AE, Dal Cin P, Fletcher CD (2011). Consistent t(1;10) with rearrangements of TGFBR3 and MGEA5 in both myxoinflammatory fibroblastic sarcoma and hemosiderotic fibrolipomatous tumor. *Genes Chromosomes Cancer.* 50(10):757–64. PMID:21717526
83. Aoude LG, Pritchard AL, Robles-Espinoza CD, Wadt K, Harland M, Choi J, et al. (2014). Nonsense mutations in the shelterin complex genes ACD and TERF2IP in familial melanoma. *J Natl Cancer Inst.* 107(2):dju408. PMID:25505254
84. Aoude LG, Wadt K, Bojesen A, Crüger D, Borg A, Trent JM, et al. (2013). A BAP1 mutation in a Danish family predisposes to uveal melanoma and other cancers. *PLoS One.* 8(8):e72144. PMID:23977234
85. Apisarnthanarax P, Bovenmyer DA, Mehregan AH (1984). Combined adnexal tumor of the skin. *Arch Dermatol.* 120(2):231–3. PMID:6696477
86. Arbiser ZK, Folpe AL, Weiss SW (2001). Consultative (expert) second opinions in soft tissue pathology. Analysis of problem-prone diagnostic situations. *Am J Clin Pathol.* 116(4):473–6. PMID:11601130
87. Ardakani NM, Palmer DL, Wood BA (2016). Malignant melanocytic matricoma: a report of 2 cases and review of the literature. *Am J Dermatopathol.* 38(1):33–8. PMID:26730694
88. Arenaz Búa J, Luaces R, Lorenzo Franco F, García-Rozado A, Crespo Escudero JL, Fonseca Capdevila E, et al. (2010). Angiolipoma in head and neck: report of two cases and review of the literature. *Int J Oral Maxillofac Surg.* 39(6):610–5. PMID:20197228
89. Argatoff LH, Connors JM, Klasa RJ, Horsman DE, Gascoyne RD (1997). Mantle cell lymphoma: a clinicopathologic study of 80 cases. *Blood.* 89(6):2067–78. PMID:9058729
90. Argenyi ZB (1990). Immunohistochemical characterization of palisaded, encapsulated neuroma. *J Cutan Pathol.* 17(6):329–35. PMID:1705947
91. Argenyi ZB, Cooper PH, Santa Cruz D (1993). Plexiform and other unusual variants of palisaded encapsulated neuroma. *J Cutan Pathol.* 20(1):34–9. PMID:8468415
92. Argenyi ZB, LeBoit PE, Santa Cruz D, Swanson PE, Kutzner H (1993). Nerve sheath myxoma (neurothekeoma) of the skin: light microscopic and immunohistochemical reappraisal of the cellular variant. *J Cutan Pathol.* 20(4):294–303. PMID:7693776
93. Aricó M, Nichols K, Whitlock JA, Arceri R, Haupt R, Mittler U, et al. (1999). Familial clustering of Langerhans cell histiocytosis. *Br J Haematol.* 107(4):883–8. PMID:10606898
94. Armstrong BK, Kricger A (2001). The epidemiology of UV induced skin cancer. *J Photochem Photobiol B.* 63(1–3):8–18. PMID:11684447
95. Arnaud L, Gorochov G, Charlotte F, Lvovschi V, Parizot C, Larsen M, et al. (2011). Systemic perturbation of cytokine and chemokine networks in Erdheim-Chester disease: a single-center series of 37 patients. *Blood.* 117(10):2783–90. PMID:21205927
96. Arnaud L, Hervier B, Néel A, Hamidou MA, Kahn JE, Wechsler B, et al. (2011). CNS involvement and treatment with interferon- $\alpha$  are independent prognostic factors in Erdheim-Chester disease: a multicenter survival analysis of 53 patients. *Blood.* 117(10):2778–82. PMID:21239701
97. Arnaud L, Malek Z, Archambaud F, Kas A, Toledano D, Drier A, et al. (2009). 18F-fluorodeoxyglucose-positron emission tomography scanning is more useful in followup than in the initial assessment of patients with Erdheim-Chester disease. *Arthritis Rheum.* 60(10):3128–38. PMID:19790052
98. Arnaud L, Pierre I, Beigelman-Aubry C, Capron F, Brun AL, Rigolet A, et al. (2010). Pulmonary involvement in Erdheim-Chester disease: a single-center study of thirty-four patients and a review of the literature. *Arthritis Rheum.* 62(11):3504–12. PMID:20662053
99. Arnulf B, Copie-Bergman C, Delfau-Larue MH, Lavergne-Slove A, Bosq J, Wechsler J, et al. (1998). Nonhepatosplenic gammadelta T-cell lymphoma: a subset of cytotoxic lymphomas with mucosal or skin localization. *Blood.* 91(5):1723–31. PMID:9473239
100. Arock M, Sotlar K, Akin C, Broesby-Olsen S, Hoermann G, Escobedo L, et al. (2015). KIT mutation analysis in mast cell neoplasms: recommendations of the European Competence Network on Mastocytosis. *Leukemia.* 29(6):1223–32. PMID:25650093
101. Arps DP, Chan MP, Patel RM, Andea AA (2015). Primary cutaneous cribriform carcinoma: report of six cases with clinicopathologic data and immunohistochemical profile. *J Cutan Pathol.* 42(6):379–87. PMID:25732813
102. Arrese Estrada J, Piérard-Franchimont C, Piérard GE (1990). Histogenesis of recurrent nevus. *Am J Dermatopathol.* 12(4):370–2. PMID:2203270
103. Arrington JH 3rd, Reed RJ, Ichinose H, Kremenz ET (1977). Plantar lentiginous melanoma: a distinctive variant of human cutaneous malignant melanoma. *Am J Surg Pathol.* 1(2):131–43. PMID:602975
104. Arsenovic N, Ramaiya A (2009). Is a cystic sebaceous neoplasm always marker for Muir-Torre syndrome? *Dermatol Online J.* 15(11):11. PMID:19951647
105. Arslan H, Diyarbakir M, Batur S, Demirkesen C (2013). Syringocystadenocarcinoma papilliferum with squamous cell carcinoma differentiation and with locoregional metastasis. *J Craniofac Surg.* 24(1):e38–40. PMID:23348331
106. Arulogun SO, Prince HM, Ng J, Lade S, Ryan GF, Blewitt O, et al. (2008). Long-term outcomes of patients with advanced-stage cutaneous T-cell lymphoma and large cell transformation. *Blood.* 112(8):3082–7. PMID:18647960
107. Asada N, Odawara J, Kimura S, Aoki T, Yamakura M, Takeuchi M, et al. (2007). Use of random skin biopsy for diagnosis of intravascular large B-cell lymphoma. *Mayo Clin Proc.* 82(12):1525–7. PMID:18053461
108. Asgari MM, Moffet HH, Ray GT, Quesenberry CP (2015). Trends in basal cell carcinoma incidence and identification of high-risk subgroups, 1998–2012. *JAMA Dermatol.* 151(9):976–81. PMID:26039887
109. Assor D, Davis JB (1977). Multiple apocrine fibroadenomas of the anal skin. *Am J Clin Pathol.* 68(3):397–9. PMID:197847
110. Atkinson JO, Biggar RJ, Goedert JJ, Engels EA (2004). The incidence of Kaposi sarcoma among injection drug users with AIDS in the United States. *J Acquir Immune Defic Syndr.* 37(2):1282–7. PMID:15385736
111. Attygalle AD, Cabeçadas J, Gaulard P, Jaffe ES, de Jong D, et al. (2015). Peripheral T-cell and NK-cell lymphomas: their mimics; taking a step forward from the lymphoma workshop of the WHO. *Histopathology and the Society for Hematopathology and the Society for Hematopathology.* 64(2):171–88. PMID:2551940
112. Au JK, Said JW, Septhong W, et al. (2016). Head and neck extracutaneous muco-cutaneous ulcer: case report and literature review. *Laryngoscope.* 126(12):2711–5. PMID:27113560
113. Au WY, Weisenburger DD, et al. (2009). Torichai T, Nakamura S, Kim WE, et al. (2009). Clinical differences between nodal and extranasal natural killer/T-cell lymphoma: a study of 136 cases from the International Peripheral T-Cell Lymphoma Project. *Am J Pathol.* 173(17):3931–7. PMID:19029440
114. Aung PP, Batrani M, Muzaffar M, et al. (2014). Extracutaneous melanoma in situ: report of three cases and review of the literature. *J Cutan Pathol.* 41(12):1666–70. PMID:24666211
115. Aung PP, Goldberg LI, et al. (2015). Bhawan J (2015). Cutaneous melanoma: a report of 3 cases and review of the literature. *Dermatopathology (Basel).* 4(4):173–8. PMID:27047931
116. Aung PP, Mutyambizi KK, et al. (2015). Ivan D, Prieto VG (2015). Differential diagnosis of heavily pigmented melanocytic lesions: challenges and diagnostic approach. *J Cutan Med Surg.* 68(12):963–70. PMID:26612474
117. Ausmus GG, Piliang MF, et al. (2007). Goldblum JR (2007). Soft-tissue peripheral type 1 (NF1): report of a case and review of the literature. *J Cutan Pathol.* 34(12):1696–9. PMID:17696922
118. Avraham JB, Villines D, et al. (2013). C, Maker AV (2013). Survival after resection of cutaneous adnexal carcinomas with differentiation: risk factors and trends. *Am J Surg Oncol.* 108(1):57–62. PMID:22222222
119. Ayuruk UM, Couto JA, et al. (2010). Williams KL, Huang AY, et al. (2010). Activating mutations in GNAQ and GNAO1 associated with congenital hemangiomas. *J Hum Genet.* 98(4):789–95. PMID:20000000
120. Diaz-Cascajo C, Borghi S, et al. (1998). M (1998). Pigmented atypical fibrous histiocytoma. *Histopathology.* 33(6):537–41. PMID:98000000
121. Diaz-Cascajo C, Borghi S, et al. (1998). Retzlaff H, Requena L, Metzger D, et al. (1998). lymphangiomas papules of the face: a report of five cases and review of the literature. *Histopathology.* 35(4):319–27. PMID:10564386
122. Diaz-Flores L, Gutiérrez R, et al. (2011). Alvarez-Argüelles H, Diaz-Flores L, et al. (2011). Myopericytoma and associated myofibroblastic thickening: the relationship between myofibroblasts and myointimal cells. *J Cutan Pathol.* 38(11):857–64. PMID:21955312
123. Diaz-Flores L, Gutiérrez R, et al. (2011). Argüelles H, González-Gómez M, et al. (2011). M, Diaz-Flores L Jr (2016). Ultrastructural histogenesis of the acral calcified myofibroma. *Ultrastruct Pathol.* 40(1):1–10. PMID:26691377
124. Azzopardi JG, Iocco J, et al. (1998). Pleomorphic lipoma: a tumor and liposarcoma. *Histopathology.* 34(2):201–10. PMID:98000000
125. Bachmeyer C, Bazarbachi A, et al. (2010). Delmer A, Hunault M, Zitoun R, et al. (2010). Specific cutaneous involvement in relapse of Burkitt's lymphoma. *Am J Hematol.* 54(2):176. PMID:9034303
126. Badalian-Very G, Vergilio JA, et al. (2004). MacConaill LE, Brandner B, et al. (2004).



1070. Recurrent BRAF mutations in Langerhans cell histiocytosis. *Blood*. 116(11):1919–23. PMID:2519626
1071. Bae SH, Seon HJ, Choi YD, Shim HJ, Lee JE, Yun SJ (2016). Other primary systemic cancers in patients with melanoma: analysis of isolated acral and nonacral melanomas. *J Am Acad Dermatol*. 74(2):333–40. PMID:26584878
1072. Bagochi S (2015). POT1: a genetic link to familial glioma. *Lancet Oncol*. 16(1):e12. PMID:25524796
1073. Baheti AD, Tirumani SH, Sewatkar R, Saini SS, Shinagare AB, Ramaiya NH (2015). MOCT of extranodal mantle cell lymphoma: a single institute experience. *Abdom Imaging*. 40(1):93–9. PMID:25724714
1074. Bahrami A, Barnhill RL (2018). Pathology and genomics of pediatric melanoma: a critical reexamination and new insights. *Pediatr Blood Cancer*. 65(2):e26792. PMID:28895292
1075. Bahrami A, Dalton JD, Krane JF, Fletcher CD (2012). A subset of cutaneous and soft tissue mixed tumors are genetically linked to their salivary gland counterpart. *Genes Chromosomes Cancer*. 51(2):140–8. PMID:22038920
1076. Bahrami A, Lee S, Wu G, Kerstetter J, Yaniv M, Li X, et al. (2016). Pigment-synthesizing melanocytic neoplasm with protein kinase C alpha (PRKCA) fusion. *JAMA Dermatol*. 152(3):318–22. PMID:26676968
1077. Bahrami S, Malone JC, Lear S, Martin AW (2016). CD10 expression in cutaneous adnexal neoplasms and a potential role for differentiating cutaneous metastatic renal cell carcinoma. *Arch Pathol Lab Med*. 130(9):1315–9. PMID:1948517
1078. Balachandran K, Allen PW, MacCormac LB (1995). Nuchal fibroma. A clinicopathological study of nine cases. *Am J Surg Pathol*. 19(3):313–7. PMID:7872429
1079. Balch CM, Gershenwald JE, Soong SJ, Thompson JF, Atkins MB, Byrd DR, et al. (2009). Final version of 2009 AJCC melanoma staging and classification. *J Clin Oncol*. 27(36):6199–206. PMID:19917835
1080. Baldassano MF, Bailey EM, Ferry JA, Harris NL, Duncan LM (1999). Cutaneous lymphoid hyperplasia and cutaneous marginal zone lymphoma: comparison of morphologic and immunophenotypic features. *Am J Surg Pathol*. 23(1):88–96. PMID:9888708
1081. Ban M, Sugie S, Kamiya H, Kitajima Y (2003). Microcystic adnexal carcinoma with lymph node metastasis. *Dermatology*. 207(4):395–7. PMID:14657634
1082. Banerjee M, Sarma N, Biswas R, Roy J, Mukherjee A, Giri AK (2008). DNA repair deficiency leads to susceptibility to develop arsenite-induced premalignant skin lesions. *Int J Cancer*. 123(2):283–7. PMID:18386817
1083. Banerjee SS, Agbamu DA, Eyden BP, Harris M (1997). Clinicopathological characteristics of peripheral primitive neuroectodermal tumour of skin and subcutaneous tissue. *Histopathology*. 31(4):355–66. PMID:9363452
1084. Banks ER, Cooper PH (1991). Adenomasquamous carcinoma of the skin: a report of 10 cases. *J Cutan Pathol*. 18(4):227–34. PMID:1719048
1085. Baran JL, Duncan LM (2011). Combined melanocytic nevi: histologic variants and melanoma mimics. *Am J Surg Pathol*. 35(10):1540–8. PMID:21881487
1086. Baran R, Haneke E (2001). Subungual myxoid neurofibroma on the thumb. *Acta Derm Venereol*. 81(3):210–1. PMID:11558882
1087. Baranda L, Torres-Alvarez B, Moncada B, Portales-Pérez D, de la Fuente H, Layseca E, et al. (1999). Presence of activated lymphocytes in the peripheral blood of patients with halo nevi. *J Am Acad Dermatol*. 41(4):567–72. PMID:10495377
1088. Baratti D, Pennacchioli E, Casali PG, Bertulli R, Lozza L, Olmi P, et al. (2007). Epithelioid sarcoma: prognostic factors and survival in a series of patients treated at a single institution. *Ann Surg Oncol*. 14(12):3542–51. PMID:17909905
1089. Bardach H (1978). Hydroacanthoma simplex with in situ porocarcinoma. A case suggesting malignant transformation. *J Cutan Pathol*. 5(5):236–48. PMID:730865
1090. Barnes M, Hestley A, Murray DR, Carlson GW, Parker D, Delman KA (2014). The risk of lymph node involvement in malignant cutaneous adnexal tumors. *Am Surg*. 80(3):270–4. PMID:24666868
1091. Barnhill RL, Piepkorn M, Busam KJ, editors (2004). Pathology of melanocytic nevi and malignant melanoma. New York: Springer-Verlag New York.
1092. Barnhill R, Dy K, Lugassy C (2002). Angiotropism in cutaneous melanoma: a prognostic factor strongly predicting risk for metastasis. *J Invest Dermatol*. 119(3):705–6. PMID:12230518
1093. Barnhill RL (1994). Nerve sheath myxoma (neurothekeoma). *J Cutan Pathol*. 21(1):91–3. PMID:8188941
1094. Barnhill RL (2006). The Spitzoid lesion: rethinking Spitz tumors, atypical variants, 'Spitzoid melanoma' and risk assessment. *Mod Pathol*. 19 Suppl 2:S21–33. PMID:16446713
1095. Barnhill RL, Argenyi ZB, From L, Glass LF, Maize JC, Mihm MC Jr, et al. (1999). Atypical Spitz nevi/tumors: lack of consensus for diagnosis, discrimination from melanoma, and prediction of outcome. *Hum Pathol*. 30(5):513–20. PMID:10333219
1096. Barnhill RL, Barnhill MA, Berwick M, Mihm MC Jr (1991). The histologic spectrum of pigmented spindle cell nevus: a review of 120 cases with emphasis on atypical variants. *Hum Pathol*. 22(1):52–8. PMID:1985078
1097. Barnhill RL, Cerroni L, Cook M, Elder DE, Kerl H, LeBoit PE, et al. (2010). State of the art, nomenclature, and points of consensus and controversy concerning benign melanocytic lesions: outcome of an international workshop. *Adv Anat Pathol*. 17(2):73–90. PMID:20179431
1098. Barnhill RL, Dickerson GR, Nickelleit V, Bhan AK, Muhlbauer JE, Phillips ME, et al. (1991). Studies on the cellular origin of neurothekeoma: clinical, light microscopic, immunohistochemical, and ultrastructural observations. *J Am Acad Dermatol*. 25(1 Pt 1):80–8. PMID:1880258
1099. Barnhill RL, Flotte TJ, Fleischli M, Perez-Atayde A (1995). Cutaneous melanoma and atypical Spitz tumors in childhood. *Cancer*. 76(10):1833–45. PMID:8625056
1100. Barnhill RL, Kiryu H, Sober AJ, Mihm MC Jr (1990). Frequency of dysplastic nevi among nevomelanocytic lesions submitted for histopathologic examination. Time trends over a 37-year period. *Arch Dermatol*. 126(4):463–5. PMID:2321991
1101. Barnhill RL, Kutzner H, Schmidt B, Ali L, Bagot M, Janin A, et al. (2011). Atypical spitzoid melanocytic neoplasms with angiotropism: a potential mechanism of locoregional involvement. *Am J Dermatopathol*. 33(3):236–43. PMID:21389834
1102. Barnhill RL, Mihm MC Jr (1990). Cellular neurothekeoma. A distinctive variant of neurothekeoma mimicking nevomelanocytic tumors. *Am J Surg Pathol*. 14(2):113–20. PMID:2154139
1103. Barnhill RL, Mihm MC Jr, Magro CM (1991). Plexiform spindle cell naevus: a distinctive variant of plexiform melanocytic naevus. *Histopathology*. 18(3):243–7. PMID:2045075
1104. Barón AE, Asdigian NL, Gonzalez V, Aalborg J, Terzian T, Stieglmann RA, et al. (2014). Interactions between ultraviolet light and MC1R and OCA2 variants are determinants of childhood nevus and freckle phenotypes. *Cancer Epidemiol Biomarkers Prev*. 23(12):2829–39. PMID:25410285
1105. Barrado-Solis N, Moles-Poveda P, Roca-Estelles MJ, Quecedo-Estebanez E, Gimeno-Carpio E (2016). Melanocytic matricoma with melanocytic atypia: report of a new case. *J Eur Acad Dermatol Venereol*. 30(5):859–60. PMID:25678301
1106. Barrett JH, Iles MM, Harland M, Taylor JC, Aitken JF, Andresen PA, et al. (2011). Genome-wide association study identifies three new melanoma susceptibility loci. *Nat Genet*. 43(11):1108–13. PMID:21983787
1107. Barrionuevo C, Anderson VM, Zevallos-Giampietri E, Zaharia M, Misad O, Bravo F, et al. (2002). Hydroa-like cutaneous T-cell lymphoma: a clinicopathologic and molecular genetic study of 16 pediatric cases from Peru. *Appl Immunohistochem Mol Morphol*. 10(1):7–14. PMID:11893040
1108. Bartuma H, Nord KH, Macchia G, Isaksson M, Nilsson J, Domanski HA, et al. (2011). Gene expression and single nucleotide polymorphism array analyses of spindle cell lipomas and conventional lipomas with 13q14 deletion. *Genes Chromosomes Cancer*. 50(8):619–32. PMID:21563233
1109. Bartuma H, Panagopoulos I, Collin A, Trombetta D, Domanski HA, Mandahl N, et al. (2009). Expression levels of HMG2 in adipocytic tumors correlate with morphology and cytogenetic subgroups. *Mol Cancer*. 8:36. PMID:19508721
1110. Bastiaens M, Hoefnagel J, Westendorp R, Vermeer BJ, Bouwes Bavinck JN (2004). Solar lentigines are strongly related to sun exposure in contrast to ephelides. *Pigment Cell Res*. 17(3):225–9. PMID:15140067
1111. Bastiaens M, Hoefnagel JJ, Bruijn JA, Westendorp RG, Vermeer BJ, Bouwes Bavinck JN (1998). Differences in age, site distribution, and sex between nodular and superficial basal cell carcinoma indicate different types of tumors. *J Invest Dermatol*. 110(6):880–4. PMID:9620293
1112. Bastian BC (2014). The molecular pathology of melanoma: an integrated taxonomy of melanocytic neoplasia. *Annu Rev Pathol*. 9(1):239–71. PMID:24460190
1113. Bastian BC, Kashani-Sabet M, Hamm H, Godfrey T, Moore DH 2nd, Bröcker EB, et al. (2000). Gene amplifications characterize acral melanoma and permit the detection of occult tumor cells in the surrounding skin. *Cancer Res*. 60(7):1968–73. PMID:10766187
1114. Bastian BC, LeBoit PE, Pinkel D (2000). Mutations and copy number increase of HRAS in Spitz nevi with distinctive histopathological features. *Am J Pathol*. 157(3):967–72. PMID:10980135
1115. Bastian BC, Olshen AB, LeBoit PE, Pinkel D (2003). Classifying melanocytic tumors based on DNA copy number changes. *Am J Pathol*. 163(5):1765–70. PMID:14578177
1116. Bastian BC, Xiong J, Frieden IJ, Williams ML, Chou P, Busam K, et al. (2002). Genetic changes in neoplasms arising in congenital melanocytic nevi: differences between nodular proliferations and melanomas. *Am J Pathol*. 161(4):1163–9. PMID:12368190
1117. Batista DA, Vonderheide EC, Hawkins A, Morsberger L, Long P, Murphy KM, et al. (2006). Multicolor fluorescence in situ hybridization (SKY) in mycosis fungoides and Sézary syndrome: search for recurrent chromosome abnormalities. *Genes Chromosomes Cancer*. 45(4):383–91. PMID:16382449
1118. Batstone P, Forsyth L, Goodlad J (2001). Clonal chromosome aberrations secondary to chromosome instability in an elastofibroma. *Cancer Genet Cytogenet*. 128(1):46–7. PMID:11458949
1119. Battistella M, Carlson JA, Osio A, Langbein L, Cribier B (2014). Skin tumors with matrical differentiation: lessons from hair keratins, beta-catenin and PHLDA-1 expression. *J Cutan Pathol*. 41(5):427–36. PMID:24673383
1120. Battistella M, Fraitag S, Teillac DH, Brousse N, de Prost Y, Bodemer C (2010). Neonatal and early infantile cutaneous Langerhans cell histiocytosis: comparison of self-regressive and non-self-regressive forms. *Arch Dermatol*. 146(2):149–56. PMID:20157025
1121. Battistella M, Van Eeckhout P, Cribier B (2011). Symplastic trichodiscoma: a spindle-cell predominant variant of trichodiscoma with pseudosarcomatous/ancient features. *Am J Dermatopathol*. 33(7):e81–3. PMID:21915028
1122. Bauer BS, Kernahan DA, Hugo NE (1981). Lymphangioma circumscriptum—a clinicopathological review. *Ann Plast Surg*. 7(4):318–26. PMID:7316423
1123. Bauer J, Bastian BC (2006). Distinguishing melanocytic nevi from melanoma by DNA copy number changes: comparative genomic hybridization as a research and diagnostic tool. *Dermatol Ther*. 19(1):40–9. PMID:16405569
1124. Bauer J, Curtin JA, Pinkel D, Bastian BC (2007). Congenital melanocytic nevi frequently harbor NRAS mutations but no BRAF mutations. *J Invest Dermatol*. 127(1):179–82. PMID:16888631
1125. Bax MJ, Johnson TM, Harns PW, Schwartz JL, Zhao L, Fullen DR, et al. (2016). Detection of occult invasion in melanoma in situ. *JAMA Dermatol*. 152(11):1201–8. PMID:27533878
1126. Bayley JP, Launonen V, Tomlinson IP (2008). The FH mutation database: an online database of fumarate hydratase mutations involved in the MCUL (HLRCC) tumor syndrome and congenital fumarase deficiency. *BMC Med Genet*. 9:20. PMID:18366737
1127. Abdel-Rahman MH, Pilarski R, Cebulla CM, Messingill JB, Christopher BN, Boru G, et al. (2011). Germline BAP1 mutation predisposes to uveal melanoma, lung adenocarcinoma, meningioma, and other cancers. *J Med Genet*. 48(12):856–9. PMID:21941004
1128. Abdul-Wahab A, Tang SY, Robson A, Morris S, Agar N, Wain EM, et al. (2014). Chromosomal anomalies in primary cutaneous follicle center cell lymphoma do not portend a poor prognosis. *J Am Acad Dermatol*. 70(6):1010–20. PMID:24679486
1129. Beadling C, Jacobson-Dunlop E, Hodi FS, Le C, Warrick A, Patterson J, et al. (2008). KIT gene mutations and copy number in melanoma subtypes. *Clin Cancer Res*. 14(21):6821–8. PMID:18980976
1130. Beaty MW, Toro J, Sorbara L, Stern JB, Pittaluga S, Raffeld M, et al. (2001). Cutaneous lymphomatoid granulomatosis: correlation of clinical and biologic features. *Am J Surg Pathol*. 25(9):1111–20. PMID:11688570
1131. Bechan GI, Egeles RM, Arceci RJ (2006). Biology of Langerhans cells and Langerhans cell histiocytosis. *Int Rev Cytol*. 254:1–43. PMID:17147996
1132. Beckervordersandforth J, Pujari S, Rennspies D, Speel EJ, Winnepenninckx V, Diaz C, et al. (2016). Frequent detection of human polyomavirus 6 in keratoacanthomas. *Diagn Pathol*. 11(1):58. PMID:27388771
1133. Beer TW, Drury P, Heenan PJ (2010). Atypical fibroxanthoma: a histological and immunohistochemical review of 171 cases. *Am J Dermatopathol*. 32(6):533–40. PMID:20526171
1134. Beert E, Brems H, Daniëls B, De Wever I, Van Calenberg F, Schoenaers J, et al. (2011). Atypical neurofibromas in neurofibromatosis



- type 1 are premalignant tumors. *Genes Chromosomes Cancer*. 50(12):1021–32. PMID:21987445
191. Behboudi A, Winnes M, Gorunova L, van den Oord JJ, Mertens F, Enlund F, et al. (2005). Clear cell hidradenoma of the skin—a third tumor type with a t(11;19)-associated TORC1-MAML2 gene fusion. *Genes Chromosomes Cancer*. 43(2):202–5. PMID:15729701
192. Behjati S, Tarpey PS, Sheldon H, Martincorena I, Van Loo P, Gundem G, et al. (2014). Recurrent PTPRB and PLCG1 mutations in angiosarcoma. *Nat Genet*. 46(4):376–9. PMID:24633157
193. Behne K, Robertson I, Weedon D (2002). Disseminated lobular capillary haemangioma. *Australas J Dermatol*. 43(4):297–300. PMID:12423439
194. Bekkenk MW, Geelen FA, van Voorst Vader PC, Heule F, Geerts ML, van Vloten WA, et al. (2000). Primary and secondary cutaneous CD30(+) lymphoproliferative disorders: a report from the Dutch Cutaneous Lymphoma Group on the long-term follow-up data of 219 patients and guidelines for diagnosis and treatment. *Blood*. 95(12):3653–61. PMID:10845893
195. Bekkenk MW, Kluijn PM, Jansen PM, Meijer CJ, Willemze R (2001). Lymphomatoid papulosis with a natural killer-cell phenotype. *Br J Dermatol*. 145(2):318–22. PMID:11531801
196. Bekkenk MW, Vermeer MH, Jansen PM, van Marion AM, Canninga-van Dijk MR, Kluijn PM, et al. (2003). Peripheral T-cell lymphomas unspecified presenting in the skin: analysis of prognostic factors in a group of 82 patients. *Blood*. 102(6):2213–9. PMID:12750155
197. Beljaards RC, Meijer CJ, Van der Putte SC, Hollema H, Geerts ML, Bezemer PD, et al. (1994). Primary cutaneous T-cell lymphoma: clinicopathological features and prognostic parameters of 35 cases other than mycosis fungoides and CD30-positive large cell lymphoma. *J Pathol*. 172(1):53–60. PMID:7931828
198. Bell D, Aung P, Prieto VG, Ivan D (2015). Next-generation sequencing reveals rare genomic alterations in aggressive digital papillary adenocarcinoma. *Ann Diagn Pathol*. 19(6):381–4. PMID:26386519
199. Belliveau MJ, Coupal DJ, Brownstein S, Jordan DR, Prokopetz R (2010). Infundibulocystic basal cell carcinoma of the eyelid in basal cell nevus syndrome. *Ophthalmic Plast Reconstr Surg*. 26(3):147–52. PMID:20489535
200. Bello DM, Chou JF, Panageas KS, Brady MS, Coit DG, Carvajal RD, et al. (2013). Prognosis of acral melanoma: a series of 281 patients. *Ann Surg Oncol*. 20(11):3618–25. PMID:23838913
201. Belousova IE, Nikonova SM, Sima R, Kazakov DV (2007). Granulomatous slack skin with clonal T-cell receptor-gamma gene rearrangement in skin and lymph node. *Br J Dermatol*. 157(2):405–7. PMID:17573870
202. Beltraminelli H, Leinweber B, Kerl H, Cerroni L (2009). Primary cutaneous CD4+ small-/medium-sized pleomorphic T-cell lymphoma: a cutaneous nodular proliferation of pleomorphic T lymphocytes of undetermined significance? A study of 136 cases. *Am J Dermatopathol*. 31(4):317–22. PMID:19461234
203. Beltraminelli H, Müllegger R, Cerroni L (2010). Indolent CD8+ lymphoid proliferation of the ear: a phenotypic variant of the small-medium pleomorphic cutaneous T-cell lymphoma? *J Cutan Pathol*. 37(1):81–4. PMID:19602068
204. Benati E, Ribero S, Longo C, Piana S, Puig S, Carrera C, et al. (2017). Clinical and dermoscopic clues to differentiate pigmented nail bands: an International Dermoscopy Society study. *J Eur Acad Dermatol Venerol*. 31(4):732–6. PMID:27696528
205. Bender RP, McGinniss MJ, Esmay P, Velazquez EF, Reimann JD (2013). Identification of HRAS mutations and absence of GNAQ or GNA11 mutations in deep penetrating nevi. *Mod Pathol*. 26(10):1320–8. PMID:23599145
206. Bénét C, Gomez A, Aguilár C, Delattre C, Vergier B, Beylot-Barry M, et al. (2011). Histologic and immunohistologic characterization of skin localization of myeloid disorders: a study of 173 cases. *Am J Clin Pathol*. 135(2):278–90. PMID:21228369
207. Benharroch D, Guterman G, Levy I, Shaco-Levy R (2010). High content of Langerhans cells in malignant lymphoma—incidence and significance. *Virchows Arch*. 457(1):63–7. PMID:20473767
208. Benner MF, Jansen PM, Meijer CJ, Willemze R (2009). Diagnostic and prognostic evaluation of phenotypic markers TRAF1, MUM1, BCL2 and CD15 in cutaneous CD30-positive lymphoproliferative disorders. *Br J Dermatol*. 161(1):121–7. PMID:19416236
209. Benner MF, Jansen PM, Vermeer MH, Willemze R (2012). Prognostic factors in transformed mycosis fungoides: a retrospective analysis of 100 cases. *Blood*. 119(7):1643–9. PMID:22160616
210. Benner MF, Willemze R (2009). Applicability and prognostic value of the new TNM classification system in 135 patients with primary cutaneous anaplastic large cell lymphoma. *Arch Dermatol*. 145(12):1399–404. PMID:20026848
211. Bennett AK, Mills SE, Wick MR (2003). Salivary-type neoplasms of the breast and lung. *Semin Diagn Pathol*. 20(4):279–304. PMID:14694981
212. Berenguer B, Mulliken JB, Enjolras O, Boon LM, Wassef M, Josset P, et al. (2003). Rapidly involuting congenital hemangioma: clinical and histopathologic features. *Pediatr Dev Pathol*. 6(6):495–510. PMID:15018449
213. Berhane T, Halliday GM, Cooke B, Barnetson RS (2002). Inflammation is associated with progression of actinic keratoses to squamous cell carcinomas in humans. *Br J Dermatol*. 146(5):810–5. PMID:12000377
214. Berman A (1977). Depigmented haloes associated with the involution of flag warts. *Br J Dermatol*. 97(3):263–5. PMID:921896
215. Berman A, Domnitz JM, Winkelmann RK (1982). Plantar warts recently turned black. Clinical and histopathologic findings. *Arch Dermatol*. 118(1):47–51. PMID:7059201
216. Bernal K, Nelson M, Neff JR, Nielsen SM, Bridge JA (2004). Translocation (2;11)(q31;q12) is recurrent in collagenous fibroma (desmoplastic fibroblastoma). *Cancer Genet Cytogenet*. 149(2):161–3. PMID:15036892
217. Bernardeau K, Serpier H, Salmon-Ehr V, Metz D, Pluot M, Kalis B (1998). Multiple isolated cutaneous myxomas. *Ann Dermatol Venerol*. 125(1):30–3. [French] PMID:9747204
218. Bernárdez C, Macías Del Toro E, Ramírez Bellver JL, Martínez Menchón T, Martínez Barba E, Molina-Ruiz AM, et al. (2016). Primary signet-ring cell/histiocytoid carcinoma of the eyelid: a “binucle” presentation of the “monocle tumor”. *Am J Dermatopathol*. 38(8):623–7. PMID:27391452
219. Bernengo MG, Novelli M, Quaglino P, Lisa F, De Matteis A, Savoia P, et al. (2001). The relevance of the CD4+ CD26- subset in the identification of circulating Sézary cells. *Br J Dermatol*. 144(1):125–35. PMID:11167693
220. Bernstein EF, Resnik KS, Loose JH, Halcin C, Kauh YC (1993). Solitary congenital self-healing reticulohistiocytosis. *Br J Dermatol*. 129(4):449–54. PMID:8217762
221. Bernstein KE, Lattes R (1982). Nodular (pseudosarcomatous) fasciitis, a nonrecurrent lesion: clinicopathologic study of 134 cases. *Cancer*. 49(8):1668–78. PMID:6279273
222. Berres ML, Allen CE, Merad M (2013). Pathological consequence of misguided dendritic cell differentiation in histiocytic diseases. *Adv Immunol*. 120:127–61. PMID:24070383
223. Berres ML, Lim KP, Peters T, Price J, Takizawa H, Salmon H, et al. (2014). BRAF-V600E expression in precursor versus differentiated dendritic cells defines clinically distinct LCH risk groups. *J Exp Med*. 211(4):669–83. PMID:24638167
224. Bertherat J, Horvath A, Groussin L, Grabar S, Boikos S, Cazabat L, et al. (2009). Mutations in regulatory subunit type 1A of cyclic adenosine 5'-monophosphate-dependent protein kinase (PRKAR1A): phenotype analysis in 353 patients and 80 different genotypes. *J Clin Endocrinol Metab*. 94(6):2085–91. PMID:19293268
225. Berti E, Alessi E, Caputo R, Gianotti R, Delia D, Vezzoni P (1988). Reticulohistiocytoma of the dorsum. *J Am Acad Dermatol*. 19(2 Pt 1):259–72. PMID:3049688
226. Berti E, Cerri A, Cavicchini S, Delia D, Soligo D, Alessi E, et al. (1991). Primary cutaneous gamma/delta T-cell lymphoma presenting as disseminated pagetoid reticulosis. *J Invest Dermatol*. 96(5):718–23. PMID:1827136
227. Berti E, Gianotti R, Alessi E (1988). Unusual cutaneous histiocytosis expressing an intermediate immunophenotype between Langerhans' cells and dermal macrophages. *Arch Dermatol*. 124(8):1250–3. PMID:3401031
228. Berti E, Tomasini D, Vermeer MH, Meijer CJ, Alessi E, Willemze R (1999). Primary cutaneous CD8-positive epidermotropic cytotoxic T cell lymphomas. A distinct clinicopathological entity with an aggressive clinical behavior. *Am J Pathol*. 155(2):483–92. PMID:10433941
229. Alberti-Violetti S, Fanoni D, Provasi M, Corti L, Venegoni L, Berti E (2017). Primary cutaneous acral CD8 positive T-cell lymphoma with extra-cutaneous involvement: a long-standing case with an unexpected progression. *J Cutan Pathol*. 44(11):964–8. PMID:28796362
230. Alberti-Violetti S, Torres-Cabala CA, Talpur R, Corti L, Fanoni D, Venegoni L, et al. (2016). Clinicopathological and molecular study of primary cutaneous CD4+ small/medium-sized pleomorphic T-cell lymphoma. *J Cutan Pathol*. 43(12):1121–30. PMID:27550169
231. Abesamis-Cubillan E, El-Shabrawi-Caelen L, LeBoit PE (2000). Merkel cells and sclerosing epithelial neoplasms. *Am J Dermatopathol*. 22(4):311–5. PMID:10949455
232. Betti R, Alessi E (1996). Nodular trichoblastoma with adamantinoid features. *Am J Dermatopathol*. 18(2):192–5. PMID:8739995
233. Betti R, Inselvini E, Vergani R, Moneghini L, Crosti C (2001). Sebaceoma arising in association with seborrheic keratosis. *Am J Dermatopathol*. 23(1):58–61. PMID:11176054
234. Bettleington A, Lai JK, Kennedy C (2011). Indeterminate dendritic cell tumour presenting in a patient with follicular lymphoma. *Pathology*. 43(4):372–5. PMID:21566494
235. Beuschlein F, Fassnacht M, Assié G, Calebiro D, Stratakis CA, Osswald A, et al. (2014). Constitutive activation of PKA catalytic subunit in adrenal Cushing's syndrome. *N Engl J Med*. 370(11):1019–28. PMID:24571724
236. Beutner KR, Becker TM, Stone KM (1991). Epidemiology of human papilloma-virus infections. *Dermatol Clin*. 9(2):211–8. PMID:1647901
237. Bevona C, Goggins W, Quinn T, Fullerton J, Tsao H (2003). Cutaneous melanomas associated with nevi. *Arch Dermatol*. 139(12):1620–4. PMID:14676081
238. Bhajjee F, Brown AS (2014). Muir-Torre syndrome. *Arch Pathol Lab Med*. 138(12):1685–9. PMID:25427047
239. Bhaskar SN, Jacoway JR (1966). Pyogenic granuloma—clinical features, incidence, histology, and result of treatment report of 242 cases. *J Oral Surg*. 24(5):391–8. PMID:5220911
240. Bhawan J (1979). Pilar sheath acanthoma. A new benign follicular tumor. *J Cutan Pathol*. 6(5):438–40. PMID:521535
241. Bice TC, Tran V, Merkley MA, Newlands SD, van der Sloot PG, Wu S, et al. (2015). Disease-specific survival with spindle cell carcinoma of the head and neck. *Otolaryngol Head Neck Surg*. 153(6):973–80. PMID:26203085
242. Biggs PJ, Wooster R, Ford D, Chapman P, Mangion J, Quirk Y, et al. (1995). Familial cylindromatosis (turban tumour syndrome) gene localised to chromosome 16q12-q13: evidence for its role as a tumour suppressor gene. *Nat Genet*. 11(4):441–3. PMID:7493027
243. Bignell GR, Warren W, Seal S, Takahashi M, Rapley E, Barfoot R, et al. (2000). Identification of the familial cylindromatosis tumour-suppressor gene. *Nat Genet*. 25(2):189–93. PMID:10835629
244. Bill AH Jr, Sumner DS (1965). A unified concept of lymphangioma and cystic hygroma. *Surg Gynecol Obstet*. 120:75–86. PMID:14259790
245. Billano RA, Little WP (1982). Hypertrophic actinic keratosis. *J Am Acad Dermatol*. 7(4):484–9. PMID:7142459
246. Billings SD, Folpe AL (2007). Diagnostically challenging spindle cell lipomas: a report of 34 “low-fat” and “fat-free” variants. *Am J Dermatopathol*. 29(5):437–42. PMID:17890011
247. Billings SD, Folpe AL, Weiss SW (2000). Epithelioid sarcoma-like hemangioendothelioma. *Am J Surg Pathol*. 27(1):48–52. PMID:12502927
248. Billings SD, McKenney JK, Fatah A, Hardacre MC, Weiss SW (2004). Cutaneous angiosarcoma following breast-conserving surgery and radiation: an analysis of 27 cases. *Am J Surg Pathol*. 28(6):781–8. PMID:15166771
249. Bird CC, Willis RA (1969). The histogenesis of pigmented neurofibromas. *J Pathol*. 97(4):631–7. PMID:5354040
250. Birky CS, Argenyi ZB, Whittaker SO (1989). Microcystic adnexal carcinoma with mandibular invasion and bone marrow metastasis. *J Dermatol Surg Oncol*. 15(3):338–40. PMID:2466067
251. Bishop DT, Demenais F, Goldstein M, Bergman W, Bishop JN, Bressanin de Paoli B, et al. (2002). Geographical variation in the penetrance of CDKN2A mutations for melanoma. *J Natl Cancer Inst*. 94(2):184–90. PMID:12072543
252. Bishop DT, Demenais F, Iles MK, Hovatta M, Taylor JC, Corda E, et al. (2004). Genetic wide association study identifies three loci associated with melanoma risk. *Nat Genet*. 36(8):823–8. PMID:19578364
253. Bishop JA, Taube JM, Su A, Brown SM, Kazakov DV, Michal M, et al. (2017). Sarcomatous carcinoma of the skin harboring E7B6 gene fusions: a cutaneous analogue to testicular carcinomas of the breast and salivary glands. *Am J Surg Pathol*. 41(1):62–E. PMID:28194000
254. Blake PW, Bradford PT, Devesa SS, Foye JR (2010). Cutaneous appendageal carcinoma: incidence and survival patterns in the United States: a population-based study. *Arch Dermatol*. 146(6):625–32. PMID:20596628
255. Blatt K, Cerny-Reiterer S, Schwab M, Soltau K, Eisenwort G, Stefanzi E, et al. (2008). Identification of the Ki-1 antigen (CD30) as a novel therapeutic target in systemic lymphoma. *Blood*. 126(26):2832–41. PMID:18460000
256. Blessing K, Evans AT, al-Nafiesh M, et al. (2000). Verrucous naevoid and keratotic malignancy: anoma: a clinico-pathological study. *Histopathology*. 23(5):453–8. PMID:10940000



257. Blessing K, Grant JJ, Sanders DS, Kennedy MM, Husain A, Coburn P (2000). Small cell malignant melanoma: a variant of naevoid melanoma. Clinicopathological features and histological differential diagnosis. *J Clin Pathol.* 53(8):591–5. PMID:11002761
258. Blessing K, McLaren KM, Benton EC, Barr BB, Bunney MH, Smith IW, et al. (1989). Histopathology of skin lesions in renal allograft recipients—an assessment of viral features and dysplasia. *Histopathology.* 14(2):129–39. PMID:2540085
259. Blum A, Hofmann-Wellenhof R, Marghoob AA, Argenziano G, Cabo H, Carrera C, et al. (2014). Recurrent melanocytic nevi and melanomas in dermoscopy: results of a multicenter study of the International Dermoscopy Society. *JAMA Dermatol.* 150(2):138–45. PMID:24226788
260. Blume-Peytavi U, Adler YD, Geilen CC, Ahmad W, Christiano A, Goerd S, et al. (2000). Multiple familial cutaneous glomangioma: a pedigree of 4 generations and critical analysis of histologic and genetic differences of glomus tumors. *J Am Acad Dermatol.* 42(4):633–9. PMID:10727310
261. Boccarda O, Blanche S, de Prost Y, Brousse M, Bodemer C, Fraitag S (2012). Cutaneous hematologic disorders in children. *Pediatr Blood Cancer.* 58(2):226–32. PMID:21445946
262. Boccarda O, Laloum-Grynberg E, Jeudy G, Aubriot-Lorton MH, Vabres P, de Prost Y, et al. (2012). Cutaneous B-cell lymphoblastic lymphoma in children: a rare diagnosis. *J Am Acad Dermatol.* 66(1):51–7. PMID:21745698
263. Bodemer C, Hermine O, Palmérini F, Yang Y, Grandpeix-Guyodo C, Leventhal PS, et al. (2010). Pediatric mastocytosis is a clonal disease associated with D816V and other activating c-KIT mutations. *J Invest Dermatol.* 130(3):804–15. PMID:19865100
264. Bogle MA, Cohen PR, Tschen JA (2004). Trichofolliculoma with incidental focal acantholytic dyskeratosis. *South Med J.* 97(8):773–5. PMID:15352674
265. Boldrini P (1978). Is exogenous cholesterol a micro-nutrient? *Physiol Chem Phys.* 10(6):565–8. PMID:754196
266. Bonadonna P, Perbellini O, Passalacqua G, Caruso B, Colarossi S, Dal Fior D, et al. (2009). Clonal mast cell disorders in patients with systemic reactions to Hymenoptera stings and increased serum tryptase levels. *J Allergy Clin Immunol.* 123(3):680–6. PMID:19135713
267. Bondi R, Urso C (1996). Syringocystadenocarcinoma papilliferum. *Histopathology.* 28(5):475–7. PMID:8735727
268. Bonetti F, Knowles DM 2nd, Chilosi M, Piss R, Fiaccavento S, Rizzuto N, et al. (1985). A distinctive cutaneous malignant neoplasm expressing the Langerhans cell phenotype. Synchronous occurrence with B-chronic lymphocytic leukemia. *Cancer.* 55(10):2417–25. PMID:3886125
269. Bonzheim I, Geissinger E, Roth S, Zettl A, Marx A, Rosenwald A, et al. (2004). Anaplastic large cell lymphomas lack the expression of T-cell receptor molecules or molecules of proximal T-cell receptor signaling. *Blood.* 104(10):3358–60. PMID:15297316
270. Boon LM, Enjolras O, Mulliken JB (1996). Congenital hemangioma: evidence of accelerated involution. *J Pediatr.* 128(3):329–35. PMID:8774499
271. Boonchait W, Walsh M, Cummings M, Chenevix-Trench G (2000). Expression of c-MYC in arsenic-related and sporadic basal cell carcinoma. *Arch Dermatol.* 136(2):195–8. PMID:10677095
272. Borden EC, Baker LH, Bell RS, Bramwell V, Demetri GD, Eisenberg BL, et al. (2003). Soft tissue sarcomas of adults: state of the translational science. *Clin Cancer Res.* 9(6):1941–56. PMID:12796356
273. Albores-Saavedra J, Batich K, Chable-Montero F, Sagy N, Schwartz AM, Henson DE (2010). Merkel cell carcinoma demographics, morphology, and survival based on 3870 cases: a population based study. *J Cutan Pathol.* 37(1):20–7. PMID:19638070
274. Albores-Saavedra J, Schwartz AM, Henson DE, Kostun L, Hart A, Angeles-Albores D, et al. (2011). Cutaneous angiosarcoma. Analysis of 434 cases from the Surveillance, Epidemiology, and End Results Program, 1973–2007. *Ann Diagn Pathol.* 15(2):93–7. PMID:21190880
275. Bos GD, Pritchard DJ, Reiman HM, Dobyns JH, Ilstrup DM, Landon GC (1988). Epithelioid sarcoma. An analysis of fifty-one cases. *J Bone Joint Surg Am.* 70(6):862–70. PMID:3392084
276. Bosio F, Boi S, Caputo V, Chiarelli C, Oliver F, Ricci R, et al. (2015). Lobular panniculitic infiltrates with overlapping histopathologic features of lupus panniculitis (lupus profundus) and subcutaneous T-cell lymphoma: a conceptual and practical dilemma. *Am J Surg Pathol.* 39(2):206–11. PMID:25118815
277. Bossert T, Walther T, Vondryns D, Gummert JF, Kostelka M, Mohr FW (2006). Cardiac fibroma as an inherited manifestation of nevoid basal-cell carcinoma syndrome. *Tex Heart Inst J.* 33(1):88–90. PMID:16572881
278. Botros N, Cerroni L, Shawwa A, Green PJ, Greer W, Pasternak S, et al. (2015). Cutaneous manifestations of angioimmunoblastic T-cell lymphoma: clinical and pathological characteristics. *Am J Dermatopathol.* 37(4):274–83. PMID:25794369
279. Botton T, Yeh I, Nelson T, Vemula SS, Sparatta A, Garrido MC, et al. (2013). Recurrent BRAF kinase fusions in melanocytic tumors offer an opportunity for targeted therapy. *Pigment Cell Melanoma Res.* 26(6):845–51. PMID:23890088
280. Boulland ML, Wechsler J, Bagot M, Pulford K, Kanavaros P, Gaulard P (2000). Primary CD30-positive cutaneous T-cell lymphomas and lymphomatoid papulosis frequently express cytotoxic proteins. *Histopathology.* 36(2):136–44. PMID:10672058
281. Bourgeois JM, Knezevich SR, Mathers JA, Sorensen PH (2000). Molecular detection of the ETV6-NTRK3 gene fusion differentiates congenital fibrosarcoma from other childhood spindle cell tumors. *Am J Surg Pathol.* 24(7):937–46. PMID:10895816
282. Bourlond F, Velter C, Cribier B (2016). Clinicopathological study of 47 cases of sebaceoma. *Ann Dermatol Venerol.* 143(12):814–24. PMID:27836252
283. Bowen AR, LeBoit PE (2005). Fibroepithelioma of Pinkus is a fenestrated trichoblastoma. *Am J Dermatopathol.* 27(2):149–54. PMID:15798442
284. Bowen S, Gill M, Lee DA, Fisher G, Geronemus RG, Vazquez ME, et al. (2005). Mutations in the CYLD gene in Brooke-Spiegler syndrome, familial cylindromatosis, and multiple familial trichoepithelioma: lack of genotype-phenotype correlation. *J Invest Dermatol.* 124(5):919–20. PMID:15854031
285. Bowne WB, Antonescu CR, Leung DH, Katz SC, Hawkins WG, Woodruff JM, et al. (2000). Dermatofibrosarcoma protuberans: a clinicopathologic analysis of patients treated and followed at a single institution. *Cancer.* 88(12):2711–20. PMID:10870053
286. Boyd AS, Rapini RP (1994). Acral melanocytic neoplasms: a histologic analysis of 158 lesions. *J Am Acad Dermatol.* 31(5 Pt 1):740–5. PMID:7929919
287. Boye E, Yu Y, Paranya G, Mulliken JB, Olsen BR, Bischoff J (2001). Clonality and altered behavior of endothelial cells from hemangiomas. *J Clin Invest.* 107(6):745–52. PMID:11254674
288. Bozan A, Gode S, Kaya I, Yaman B, Uslu M, Akyildiz S, et al. (2015). Long-term follow-up of positive surgical margins in basal cell carcinoma of the face. *Dermatol Surg.* 41(7):761–7. PMID:26050215
289. Bradford PT, Goldstein AM, McMaster ML, Tucker MA (2009). Acral lentiginous melanoma: incidence and survival patterns in the United States, 1986–2005. *Arch Dermatol.* 145(4):427–34. PMID:19380664
290. Bradford PT, Goldstein AM, Tamura D, Khan SG, Ueda T, Boyle J, et al. (2011). Cancer and neurologic degeneration in xeroderma pigmentosum: long term follow-up characterises the role of DNA repair. *J Med Genet.* 48(3):168–76. PMID:21097776
291. Brandt SM, Swistel AJ, Rosen PP (2009). Secretory carcinoma in the axilla: probable origin from axillary skin appendage glands in a young girl. *Am J Surg Pathol.* 33(6):950–3. PMID:19342945
292. Brankov N, Prodanovic EM, Hurley MY (2016). Pigmented basal cell carcinoma: increased melanin or increased melanocytes? *J Cutan Pathol.* 43(12):1139–42. PMID:27612950
293. Bratthauer GL, Lininger RA, Man YG, Tavassoli FA (2002). Androgen and estrogen receptor mRNA status in apocrine carcinomas. *Diagn Mol Pathol.* 11(2):113–8. PMID:12045715
294. Braun RP, Baran R, Le Gal FA, Dalle S, Ronger S, Pandolfi R, et al. (2007). Diagnosis and management of nail pigmentations. *J Am Acad Dermatol.* 56(5):835–47. PMID:17320240
295. Bravo Puccio F, Chian C (2011). Acral junctional nevus versus acral lentiginous melanoma in situ: a differential diagnosis that should be based on clinicopathologic correlation. *Arch Pathol Lab Med.* 135(7):847–52. PMID:21732773
296. Brazzelli V, Larizza D, Martinetti M, Martinoli S, Calcaterra V, De Silvestri A, et al. (2004). Halo nevus, rather than vitiligo, is a typical dermatologic finding of Turner's syndrome: clinical, genetic, and immunogenetic study in 72 patients. *J Am Acad Dermatol.* 51(3):354–8. PMID:15337976
297. Bree AF, Shah MR (2011). Consensus statement from the first international colloquium on basal cell nevus syndrome (BCNS). *Am J Med Genet A.* 155A(9):2091–7. PMID:21834049
298. Breiting L, Christensen L, Dahlstrøm K, Breiting V, Winther JF (2008). Primary mucinous carcinoma of the skin: a population-based study. *Int J Dermatol.* 47(3):242–5. PMID:18289323
299. Breiting L, Dahlstrøm K, Christensen L, Winther JF, Breiting V (2007). Primary mucinous carcinoma of the skin. *Am J Dermatopathol.* 29(6):595–6. PMID:18032965
300. Bremnes RM, Kvamme JM, Stalsberg H, Jacobsen EA (1999). Pilomatric carcinoma with multiple metastases: report of a case and review of the literature. *Eur J Cancer.* 35(3):433–7. PMID:10448295
301. Brems H, Legius E, Stewart DR (2012). Molecular basis of glomus tumours. In: Upadhyaya M, Cooper DN, editors. *Neurofibromatosis type 1: molecular and cellular biology.* Berlin: Springer-Verlag; pp. 367–79.
302. Brems H, Park C, Maertens O, Pemov A, Messiaen L, Upadhyaya M, et al. (2009). Glomus tumors in neurofibromatosis type 1: genetic, functional, and clinical evidence of a novel association. *Cancer Res.* 69(18):7393–401. PMID:19738042
303. Brenn T (2012). Pitfalls in the evaluation of melanocytic lesions. *Histopathology.* 60(5):690–705. PMID:22176022
304. Brenn T, Calonje E, Granter SR, Leonard N, Grayson W, Fletcher CD, et al. (2002). Cutaneous Rosai-Dorfman disease is a distinct clinical entity. *Am J Dermatopathol.* 24(5):385–91. PMID:12357197
305. Brenn T, Fletcher CD (2004). Cutaneous epithelioid angiomatous nodule: a distinct lesion in the morphologic spectrum of epithelioid vascular tumors. *Am J Dermatopathol.* 26(1):14–21. PMID:14726818
306. Brenn T, Fletcher CD (2005). Radiation-associated cutaneous atypical vascular lesions and angiosarcoma: a clinicopathologic analysis of 42 cases. *Am J Surg Pathol.* 29(8):983–96. PMID:16006792
307. Brenn T, Fletcher CD (2006). Postirradiation vascular proliferations: an increasing problem. *Histopathology.* 48(1):106–14. PMID:16359542
308. Brennan MF, Antonescu CR, Moraco N, Singer S (2014). Lessons learned from the study of 10,000 patients with soft tissue sarcoma. *Ann Surg.* 260(3):416–2. PMID:25115417
309. Brenner I, Roth S, Flossbach L, Wobser M, Rosenwald A, Geissinger E (2015). Lack of myeloid differentiation primary response protein MyD88 L265P mutation in primary cutaneous marginal zone lymphoma. *Br J Dermatol.* 173(6):1527–8. PMID:26099629
310. Brenner I, Roth S, Puppe B, Wobser M, Rosenwald A, Geissinger E (2013). Primary cutaneous marginal zone lymphomas with plasmacytic differentiation show frequent IgG4 expression. *Mod Pathol.* 26(12):1568–76. PMID:23765244
311. Breza TS Jr, Zheng P, Porcu P, Magro CM (2006). Cutaneous marginal zone B-cell lymphoma in the setting of fluoxetine therapy: a hypothesis regarding pathogenesis based on in vitro suppression of T-cell-proliferative response. *J Cutan Pathol.* 33(7):522–8. PMID:16872479
- 311A. Brierly JD, Gospodarowicz MK, Wittekind C, editors (2017). *TNM classification of malignant tumours.* 8th ed. Oxford: Wiley Blackwell.
312. Briganti A, Salonia A, Deho F, Zanni G, Rokkas K, Rigatti P, et al. (2003). Peyronie's disease: a review. *Curr Opin Urol.* 13(5):417–22. PMID:12917519
313. Brock JE, Perez-Atayde AR, Kozakewich HP, Richkind KE, Fletcher JA, Vargas SO (2005). Cytogenetic aberrations in perineurioma: variation with subtype. *Am J Surg Pathol.* 29(9):1164–9. PMID:16096405
314. Brockow K, Jofer C, Behrendt H, Ring J (2008). Anaphylaxis in patients with mastocytosis: a study on history, clinical features and risk factors in 120 patients. *Allergy.* 63(2):226–32. PMID:18186813
315. Broekaert SM, Flux K, Kyrpychova L, Kacerovska D, Ivan D, Schön MP, et al. (2017). Squared-off nuclei and "appliqué" pattern as a histopathological clue to periocular sebaceous carcinoma: a clinicopathological study of 50 neoplasms from 46 patients. *Am J Dermatopathol.* 39(4):275–8. PMID:28323778
316. Broesby-Olsen S, Farkas DK, Vestergaard H, Hermann AP, Møller MB, Mortz CG, et al. (2016). Risk of solid cancer, cardiovascular disease, anaphylaxis, osteoporosis and fractures in patients with systemic mastocytosis: a nationwide population-based study. *Am J Hematol.* 91(11):1069–75. PMID:27428296
317. Brooks BP, Thompson AH, Bishop RJ, Clayton JA, Chan CC, Tsilou ET, et al. (2013). Ocular manifestations of xeroderma pigmentosum: long-term follow-up highlights the role of DNA repair in protection from sun damage. *Ophthalmology.* 120(7):1324–36. PMID:23601806
318. Brossard M, Fang S, Vaysse A, Wei Q, Chen WV, Mohamdi H, et al. (2015). Integrated



- pathway and epistasis analysis reveals interactive effect of genetic variants at TERF1 and AFAP1L2 loci on melanoma risk. *Int J Cancer*. 137(8):1901–9. PMID:25892537
319. Brown KM, Macgregor S, Montgomery GW, Craig DW, Zhao ZZ, Iyadurai K, et al. (2008). Common sequence variants on 20q11.22 confer melanoma susceptibility. *Nat Genet*. 40(7):838–40. PMID:18488026
320. Brown NA, Furtado LV, Betz BL, Kiel MJ, Weigelin HC, Lim MS, et al. (2014). High prevalence of somatic MAP2K1 mutations in BRAF V600E-negative Langerhans cell histiocytosis. *Blood*. 124(10):1655–8. PMID:24982505
321. Brown RA, Kwong BY, McCalmont TH, Ragsdale B, Ma L, Cheung C, et al. (2015). ETV3-NCOA2 in indeterminate cell histiocytosis: clonal translocation supports sui generis. *Blood*. 126(20):2344–5. PMID:26438513
322. Brownstein MH (1988). Acantholytic acanthoma. *J Am Acad Dermatol*. 19(5 Pt 1):783–6. PMID:2461398
323. Brownstein MH, Mehregan AH, Bikowski JB, Lupulescu A, Patterson JC (1979). The dermatopathology of Cowden's syndrome. *Br J Dermatol*. 100(6):667–73. PMID:465314
324. Brownstein MH, Shapiro L (1973). Trichilemmoma. Analysis of 40 new cases. *Arch Dermatol*. 107(6):866–9. PMID:4711118
325. Brownstein MH, Wolf M, Bikowski JB (1978). Cowden's disease: a cutaneous marker of breast cancer. *Cancer*. 41(6):2393–8. PMID:657103
326. Brunet V, Marouan S, Routy JP, Hashem MA, Bernier V, Simard R, et al. (2017). Retrospective study of intravascular large B-cell lymphoma cases diagnosed in Quebec: a retrospective study of 29 case reports. *Medicine (Baltimore)*. 96(5):e5985. PMID:28151891
327. Buccheri V, Mihaljević B, Matutes E, Dyer MJ, Mason DY, Catovsky D (1993). mb-1: a new marker for B-lineage lymphoblastic leukemia. *Blood*. 82(3):853–7. PMID:8338949
328. Buell JF, Trofe J, Hanaway MJ, Beebe TM, Gross TG, Alloway RR, et al. (2002). Immunosuppression and Merkel cell cancer. *Transplant Proc*. 34(5):1780–1. PMID:12176573
329. Buelow B, Cohen J, Nagymanyoki Z, Frizzell N, Joseph NM, McCalmont T, et al. (2016). Immunohistochemistry for 2-succinocysteine (2SC) and fumarate hydratase (FH) in cutaneous leiomyomas may aid in identification of patients with HLRCC (hereditary leiomyomatosis and renal cell carcinoma syndrome). *Am J Surg Pathol*. 40(7):982–8. PMID:26945337
330. Bugatti L, Filosa G (2007). Dermoscopy of lichen planus-like keratosis: a model of inflammatory regression. *J Eur Acad Dermatol Venerol*. 21(10):1392–7. PMID:17958847
331. Bunn B, van Heerden W (2015). EBV-positive mucocutaneous ulcer of the oral cavity associated with HIV/AIDS. *Oral Surg Oral Med Oral Pathol Oral Radiol*. 120(6):725–32. PMID:26254983
332. Burg G, Kempf W, Cozzio A, Feit J, Willems R, S Jaffe E, et al. (2005). WHO/EORTC classification of cutaneous lymphomas 2005: histological and molecular aspects. *J Cutan Pathol*. 32(10):647–74. PMID:16293178
333. Burg G, Kempf W, Kazakov DV, Dummer R, Frosch PJ, Lange-Ionescu S, et al. (2003). Pyogenic lymphoma of the skin: a peculiar variant of primary cutaneous neutrophil-rich CD30+ anaplastic large-cell lymphoma. Clinicopathological study of four cases and review of the literature. *Br J Dermatol*. 148(3):580–6. PMID:12653754
334. Burgdorf WH, Pitha J, Fahmy A (1986). Muir-Torre syndrome. Histologic spectrum of sebaceous proliferations. *Am J Dermatopathol*. 8(3):202–8. PMID:3728878
335. Burgdorf WH, Zelger B (2004). JXG, NF1, and JMML: alphabet soup or a clinical issue? *Pediatr Dermatol*. 21(2):174–6. PMID:15078363
336. Burger RA, Marcuse PM (1954). Fibroadenoma of vulva. *Am J Clin Pathol*. 24(8):965–80. PMID:13197326
337. Burke FD, Proud G, Lawson IJ, McGeoch KL, Miles JN (2007). An assessment of the effects of exposure to vibration, smoking, alcohol and diabetes on the prevalence of Dupuytren's disease in 97,537 miners. *J Hand Surg Eur Vol*. 32(4):400–6. PMID:17950195
338. Burkhardt A (1986). Verrucous carcinoma and carcinoma cuniculatum—forms of squamous cell carcinoma? *Hautarzt*. 37(7):373–83. [German] PMID:3744823
339. Burrows NP, Jones RR, Smith NP (1992). The clinicopathological features of familial cylindromas and trichoepitheliomas (Brooke-Spiegel syndrome): a report of two families. *Clin Exp Dermatol*. 17(5):332–6. PMID:1333921
340. Busam KJ (1999). Metastatic melanoma to the skin simulating blue nevus. *Am J Surg Pathol*. 23(3):276–82. PMID:10078917
341. Busam KJ (2005). Cutaneous desmoplastic melanoma. *Adv Anat Pathol*. 12(2):92–102. PMID:15731577
342. Busam KJ, Barnhill RL (1995). Pagetoid Spitz nevus. Intraepidermal Spitz tumor with prominent pagetoid spread. *Am J Surg Pathol*. 19(9):1061–7. PMID:7661280
343. Busam KJ, Jungbluth AA, Rekhman N, Coit D, Pulitzer M, Bini J, et al. (2009). Merkel cell polyomavirus expression in Merkel cell carcinomas and its absence in combined tumors and pulmonary neuroendocrine carcinomas. *Am J Surg Pathol*. 33(9):1378–85. PMID:19609205
344. Busam KJ, Mujumdar U, Hummer AJ, Nobrega J, Hawkins WG, Coit DG, et al. (2004). Cutaneous desmoplastic melanoma: reappraisal of morphologic heterogeneity and prognostic factors. *Am J Surg Pathol*. 28(11):1518–25. PMID:15489657
345. Busam KJ, Shah KN, Gerami P, Sitzman T, Jungbluth AA, Kinsler V (2017). Reduced H3K27me3 expression is common in nodular melanomas of childhood associated with congenital melanocytic nevi but not in proliferative nodules. *Am J Surg Pathol*. 41(3):396–404. PMID:27849631
346. Busam KJ, Sung J, Wiesner T, von Deimling A, Jungbluth A (2013). Combined BRAF(V600E)-positive melanocytic lesions with large epithelioid cells lacking BAP1 expression and conventional nevomelanocytes. *Am J Surg Pathol*. 37(2):193–9. PMID:23026932
347. Busam KJ, Wanna M, Wiesner T (2013). Multiple epithelioid Spitz nevi or tumors with loss of BAP1 expression: a clue to a hereditary tumor syndrome. *JAMA Dermatol*. 149(3):335–9. PMID:23552620
348. Busco S, Buzzoni C, Mallone S, Trama A, Castaing M, Bella F, et al. (2016). Italian cancer figures—Report 2015: the burden of rare cancers in Italy. *Epidemiol Prev*. 40(1 Suppl 2):1–120. PMID:26951748
349. Butsch F, Kind P, Bräuninger W (2012). Bilateral indolent epidermotropic CD8-positive lymphoid proliferations of the ear. *J Dtsch Dermatol Ges*. 10(3):195–6. PMID:22142195
350. Büttner C, Grabbe J, Haas N, Sepp NT, Kunkel G, Henz BM (1999). Comparison of genetic and immunohistochemical findings in childhood and adult onset urticaria pigmentosa. *Int Arch Allergy Immunol*. 118(2–4):206–7. PMID:10224380
351. Caccetta TP, Dessauvagie B, McCallum D, Kumarasinghe SP (2012). Multiple minute digitate hyperkeratosis: a proposed algorithm for the digitate keratosis. *J Am Acad Dermatol*. 67(1):e49–55. PMID:21050621
352. Caldich L, Ortega C, Navarro V, Martínez E, Molina I, Jordá E (2000). Verrucous hemangioma: report of two cases and review of the literature. *Pediatr Dermatol*. 17(3):213–7. PMID:10886755
353. Callister MD, Ballo MT, Pisters PW, Patel SR, Feig BW, Pollock RE, et al. (2001). Epithelioid sarcoma: results of conservative surgery and radiotherapy. *Int J Radiat Oncol Biol Phys*. 51(2):384–91. PMID:11567812
354. Calonje E, Fletcher CD (1991). Sinusoidal hemangioma. A distinctive benign vascular neoplasm within the group of cavernous hemangiomas. *Am J Surg Pathol*. 15(12):1130–5. PMID:1746680
355. Calonje E, Fletcher CD, Wilson-Jones E, Rosai J (1994). Retiform hemangioendothelioma. A distinctive form of low-grade angiosarcoma delineated in a series of 15 cases. *Am J Surg Pathol*. 18(2):115–25. PMID:8291650
356. Calonje E, Guerin D, McCormick D, Fletcher CD (1999). Superficial angiomyxoma: clinicopathologic analysis of a series of distinctive but poorly recognized cutaneous tumors with tendency for recurrence. *Am J Surg Pathol*. 23(8):910–7. PMID:10435560
357. Calonje E, Mentzel T, Fletcher CD (1994). Cellular benign fibrous histiocytoma. Clinicopathologic analysis of 74 cases of a distinctive variant of cutaneous fibrous histiocytoma with frequent recurrence. *Am J Surg Pathol*. 18(7):668–76. PMID:8017561
358. Calonje E, Mentzel T, Fletcher CD (1995). Pseudomalignant perineurial invasion in cellular ('infantile') capillary haemangiomas. *Histopathology*. 26(2):159–64. PMID:7737662
359. Calvete O, Martínez P, Garcia-Pavia P, Benitez-Buelga C, Paumard-Hernández B, Fernandez V, et al. (2015). A mutation in the POT1 gene is responsible for cardiac angiosarcoma in TP53-negative Li-Fraumeni-like families. *Nat Commun*. 6:8383. PMID:26403419
360. Cameselle-Teijeiro J, Alfonsín-Barreiro N, Allegue F, Caeiro M (1997). Apocrine carcinoma with signet ring cells and histiocytoid features. A potentially confusing axillary tumor. *Pathol Res Pract*. 193(10):713–22. PMID:9505264
361. Campbell JJ, Clark RA, Watanabe R, Kupper TS (2010). Sezary syndrome and mycosis fungoides arise from distinct T-cell subsets: a biologic rationale for their distinct clinical behaviors. *Blood*. 116(5):767–71. PMID:20484084
362. Campochiaro C, Tomelleri A, Cavalli G, Berti A, Dagna L (2015). Erdheim-Chester disease. *Eur J Intern Med*. 26(4):223–9. PMID:25865950
363. Campos-do-Carmo G, Ramos-e-Silva M (2008). Dermoscopy: basic concepts. *Int J Dermatol*. 47(7):712–9. PMID:18613881
364. Canales-Ibarra C, Magariños G, Olsoff-Pagovich P, Ortiz-Hidalgo C (2003). Cutaneous sclerosing perineurioma of the digits: an uncommon soft-tissue neoplasm. Report of two cases with immunohistochemical analysis. *J Cutan Pathol*. 30(9):577–81. PMID:14507408
365. Candiago E, Marocolo D, Manganoni MA, Leali C, Facchetti F (2000). Nonlymphoid intraepidermal mononuclear cell collections (pseudo-Pautrier abscesses): a morphologic and immunophenotypic characterization. *Am J Dermatopathol*. 22(1):1–6. PMID:10698208
366. Cao Q, Li Y, Lin H, Ke Z, Liu Y, Ye Z (2013). Mantle cell lymphoma of blastoid variant with skin lesion and rapid progression: a case report and literature review. *Am J Dermatopathol*. 35(8):851–5. PMID:23928453
367. Capelle LG, Van Grieken NC, Lingsma HF, Steyerberg EW, Klokman WJ, Bruno MJ, et al. (2010). Risk and epidemiological time trends of gastric cancer in Lynch syndrome carriers in the Netherlands. *Gastroenterology*. 138(2):487–92. PMID:19900449
368. Cappellesso R, Bellan A, Saraggi D, Salmasso R, Ventura L, Fassina A (2015). NF1 immunoreactivity is directly related to pilomatricoma size and proliferation rate. *Arch Dermatol Res*. 307(4):379–83. PMID:25516090
369. Caprini E, Cristofaletti C, Arcelli D, Fadda P, Citterich MH, Sampogna F, et al. (2009). Identification of key regions and genes important in the pathogenesis of Sezary syndrome by combining genomic and expression microarrays. *Cancer Res*. 69(21):8438–46. PMID:19843862
370. Caputo R (1998). Juvenile xanthogranuloma. In: A text atlas of histiocytic syndromes: a dermatological perspective. London: CRC Press; pp. 39–58.
371. Caputo R, Alessi E, Berti E (1981). Collagen phagocytosis in multicentric reticulohistiocytosis. *J Invest Dermatol*. 76(5):342–4. PMID:7229425
372. Caputo R, Grimalt R (1992). Solitary reticulohistiocytosis (reticulohistiocytoma) of the skin in children: report of two cases. *Arch Dermatol*. 128(5):698–9. PMID:1575538
373. Caputo R, Grimalt R, Gelmetti C, Calzavara F (1993). Unusual aspects of juvenile xanthogranuloma. *J Am Acad Dermatol*. 29(2):868–70. PMID:8408830
374. Carbone M, Ferris LK, Baumann F, Nazzari A, Lum CA, Flores EG, et al. (2012). Spitz cancer syndrome: malignant mesothelioma, uveal and cutaneous melanoma, and MDS. *J Transl Med*. 10:179. PMID:22935333
375. Cardoso JC, Calonje E (2011). Cutaneous manifestations of human papillomavirus: review. *Acta Dermatovenereol Alp Pannonic Adriat*. 20(3):145–54. PMID:22131115
376. Cardoso JC, Calonje E (2015). Malignant sweat gland tumours: an update. *Histopathology*. 67(5):589–606. PMID:26114502
377. Cardot-Leccia N, Italiano A, Morello M, Basc E, Perrin C, Pedeutour F (2007). Nevus lipomatous superficialis: a case report with 2p24 deletion. *Br J Dermatol*. 156(2):388–9. PMID:17223884
378. Carinci F, Piattelli A, Rubini C, Frascianni G, Palmieri A, et al. (2004). Genetic profiling of granular cell myoblastoma. *J Craniofac Surg*. 15(5):824–34. PMID:15345025
379. Carli P, Massi D, Santucci M, Sgambato Giannotti B (1999). Cutaneous melanoma: etiologically associated with a nevus and melanoma de novo have a different profile. *Arch Dermatol*. 40(4):549–57. PMID:10198672
380. Carlson JA, Healy K, Stomasi K, Hirschman MC Jr (1999). Melanocytic matricoma: report of two cases of a new entity. *Am J Dermatopathol*. 21(4):344–9. PMID:10445775
381. Carlson JA, Mu XC, Stomasi K, Hirschmann K, Crowson AN, Maffei M, et al. (2002). Melanocytic proliferations associated with lichen sclerosis. *Arch Dermatol*. 138(1):77–87. PMID:11790170
382. Carlson KC, Gibson LE (1991). Clinical signs of lymphomatoid granulomatosis. *J Dermatol*. 127(11):1693–8. PMID:1625233
383. Carney JA (1995). Carney complex: the complex of myxomas, spotty pigmentation, endocrine overactivity, and schwannomas. *Semin Dermatol*. 14(2):90–8. PMID:7641361
384. Carney JA, Ferreiro JA (1986). The epithelioid blue nevus. A multicentric benign epithelioid variant with important associations, including cardiac myxoma and psammomatous melanotic schwannoma. *Am J Surg Pathol*. 20(2):157–64. PMID:8772778
385. Carney JA, Headington JT, Saxe JH (1981). Cutaneous myxomas. A major component of the complex of myxomas, spotty pigmentation,



- and endocrine overactivity. *Arch Dermatol.* 122(7):790–8. PMID:3729510
366. Carr J, Mackie RM (1994). Point mutations in the N-ras oncogene in malignant melanoma and congenital naevi. *Br J Dermatol.* 131(1):72–7. PMID:8043423
367. Carranza-Romero C, Molina-Ruiz AM, Pama Monroy C, Cuevas Santos J, Requena L (2015). Cutaneous epithelioid hemangioendothelioma on the sole of a child. *Pediatr Dermatol.* 32(3):e64–9. PMID:25782038
368. Cartault F, Nava C, Malbrunot AC, Munier P, Hebert JC, N'guyen P, et al. (2011). A new KPC gene splicing mutation has led to the highest worldwide prevalence of xeroderma pigmentosum in black Mahori patients. *DNA Repair (Amst).* 10(6):577–85. PMID:21482201
369. Carter CS, Skala SL, Chinnaiyan AM, McHugh JB, Siddiqui J, Cao X, et al. (2017). Immunohistochemical characterization of fumarate hydratase (FH) and succinate dehydrogenase (SDH) in cutaneous leiomyomas for detection of familial cancer syndromes. *Am J Surg Pathol.* 41(6):801–9. PMID:28288038
370. Carter JE, Mizell KN, Tucker JA (2008). Mammary-type fibroepithelial neoplasms of the vulva: a case report and review of the literature. *J Cutan Pathol.* 35(2):246–9. PMID:18190454
371. Carter JM, O'Hara C, Dundas G, Gilchrist D, Collins MS, Eaton K, et al. (2012). Epithelioid malignant peripheral nerve sheath tumor arising in a schwannoma, in a patient with "neuroblastoma-like" schwannomatosis and a novel germline SMARCB1 mutation. *Am J Surg Pathol.* 36(1):154–60. PMID:22082606
372. Carter JM, Wang X, Dong J, Westendorf J, Chou MM, Oliveira AM (2016). USP6 genetic rearrangements in cellular fibroma of tendon sheath. *Mod Pathol.* 29(8):865–9. PMID:27125357
373. Carter JM, Weiss SW, Linos K, DiCaudo DL, Folpe AL (2014). Superficial CD34-positive fibroblastic tumor: report of 18 cases of a distinctive low-grade mesenchymal neoplasm of intermediate (borderline) malignancy. *Mod Pathol.* 27(2):294–302. PMID:23887307
374. Carter RL, al-Sams SZ, Corbett RP, Clinton S (1990). A comparative study of immunohistochemical staining for neuron-specific enolase, protein gene product 9.5 and S-100 protein in neuroblastoma, Ewing's sarcoma and other round cell tumours in children. *Histopathology.* 16(5):461–7. PMID:2163356
375. Casanova M, Ferrari A, Collini P, Bisogno G, Alaggio R, Cecchetto G, et al. (2006). Epithelioid sarcoma in children and adolescents: a report from the Italian Soft Tissue Sarcoma Committee. *Cancer.* 106(3):708–17. PMID:1635216
376. Cash T, McIlvaine E, Krailo MD, Lessnick SL, Lawlor ER, Laack N, et al. (2016). Comparison of clinical features and outcomes in patients with extraskeletal versus skeletal localized Ewing sarcoma: a report from the Children's Oncology Group. *Pediatr Blood Cancer.* 63(10):1771–9. PMID:27297500
377. Cassarino DS, Cabral ES, Kartha RV, Swetter SM (2008). Primary dermal melanoma: distinct immunohistochemical findings and clinical outcome compared with nodular and metastatic melanoma. *Arch Dermatol.* 144(1):49–56. PMID:18209168
378. Cassarino DS, Derienzo DP, Barr RJ (2005). Cutaneous squamous cell carcinoma: a comprehensive clinicopathologic classification—part two. *J Cutan Pathol.* 33(4):261–79. PMID:16630176
379. Castillo L, Moreno A, Tardio JC (2014). Syngocystadenocarcinoma papilliferum in the report of a case with late recurrence. *Am J Dermatopathol.* 36(4):348–52. PMID:24394301
380. Cawley EP, Kruse WT, Pinkus HK (1952). Genetic aspects of malignant melanoma. *AMA Arch Derm Syphilol.* 65(4):440–50. PMID:14902112
401. Cazenave H, Maubec E, Mohamdi H, Grange F, Bressac-de Paillerets B, Demenais F, et al. (2013). Genital and anorectal mucosal melanoma is associated with cutaneous melanoma in patients and in families. *Br J Dermatol.* 169(3):594–9. PMID:23647170
402. Cengiz FP, Emiroglu N (2015). An open, comparative clinical study on the efficacy and safety of 10% trichloroacetic acid, 25% trichloroacetic acid and cryotherapy for verruca plana. *Cutan Ocul Toxicol.* 34(2):144–8. PMID:24938453
403. Cengiz FP, Emiroglu N, Wellenhof RH (2015). Dermoscopic and clinical features of pigmented skin lesions of the genital area. *An Bras Dermatol.* 90(2):178–83. PMID:25830986
404. Centeno JA, Mullick FG, Martinez L, Page NP, Gibb H, Longfellow D, et al. (2002). Pathology related to chronic arsenic exposure. *Environ Health Perspect.* 110 Suppl 5:883–6. PMID:12426152
405. Ceribelli M, Hou ZE, Kelly PN, Huang DW, Wright G, Ganapathi K, et al. (2016). A druggable TCF4- and BRD4-dependent transcriptional network sustains malignancy in blastic plasmacytoid dendritic cell neoplasm. *Cancer Cell.* 30(5):764–78. PMID:27846392
406. Cerroni L, editor (2014). *Skin lymphoma: the illustrated guide.* 4th ed. Oxford: Wiley-Blackwell.
407. Cerroni L (2017). Past, present and future of cutaneous lymphomas. *Semin Diagn Pathol.* 34(1):3–14. PMID:27979336
408. Cerroni L, Arzberger E, Pütz B, Höfler G, Metz D, Sander CA, et al. (2000). Primary cutaneous follicle center cell lymphoma with follicular growth pattern. *Blood.* 95(12):3922–8. PMID:10845929
409. Cerroni L, Barnhill R, Elder D, Gottlieb G, Heenan P, Kutzner H, et al. (2010). Melanocytic tumors of uncertain malignant potential: results of a tutorial held at the XXIX Symposium of the International Society of Dermatopathology in Graz, October 2008. *Am J Surg Pathol.* 34(3):314–26. PMID:20118771
410. Cerroni L, El-Shabrawi-Caelen L, Fink-Puches R, LeBoit PE, Kerl H (2000). Cutaneous spindle-cell B-cell lymphoma: a morphologic variant of cutaneous large B-cell lymphoma. *Am J Dermatopathol.* 22(4):299–304. PMID:10949453
411. Cerroni L, Fink-Puches R, Bäck B, Kerl H (2002). Follicular mucinosis: a critical reappraisal of clinicopathologic features and association with mycosis fungoides and Sézary syndrome. *Arch Dermatol.* 138(2):182–9. PMID:11843637
412. Cerroni L, Massone C, Kutzner H, Mentzel T, Umbert P, Kerl H (2008). Intravascular large T-cell or NK-cell lymphoma: a rare variant of intravascular large cell lymphoma with frequent cytotoxic phenotype and association with Epstein-Barr virus infection. *Am J Surg Pathol.* 32(6):891–8. PMID:18425045
413. Cerroni L, Rieger E, Hödl S, Kerl H (1992). Clinicopathologic and immunologic features associated with transformation of mycosis fungoides to large-cell lymphoma. *Am J Surg Pathol.* 16(6):543–52. PMID:1599034
414. Cerroni L, Zenahlik P, Höfler G, Kaddu S, Smolle J, Kerl H (1996). Specific cutaneous infiltrates of B-cell chronic lymphocytic leukemia: a clinicopathologic and prognostic study of 42 patients. *Am J Surg Pathol.* 20(8):1000–10. PMID:8712287
415. Cerroni L, Zöchling N, Pütz B, Kerl H (1997). Infection by *Borrelia burgdorferi* and cutaneous B-cell lymphoma. *J Cutan Pathol.* 24(8):457–61. PMID:9331890
416. Cesarman E, Knowles DM (1997). Kaposi's sarcoma-associated herpesvirus: a lymphotropic human herpesvirus associated with Kaposi's sarcoma, primary effusion lymphoma, and multicentric Castleman's disease. *Semin Diagn Pathol.* 14(1):54–66. PMID:9044510
417. Cesinaro AM, Bettelli S, Maccio L, Milani M (2014). Primary cutaneous mantle cell lymphoma of the leg with blastoid morphology and aberrant immunophenotype: a diagnostic challenge. *Am J Dermatopathol.* 36(2):e16–8. PMID:23612032
418. Cetinözman F, Jansen PM, Vermeer MH, Willemze R (2012). Differential expression of programmed death-1 (PD-1) in Sézary syndrome and mycosis fungoides. *Arch Dermatol.* 148(12):1379–85. PMID:23247480
419. Cetinözman F, Jansen PM, Willemze R (2012). Expression of programmed death-1 in primary cutaneous CD4-positive small/medium-sized pleomorphic T-cell lymphoma, cutaneous pseudo-T-cell lymphoma, and other types of cutaneous T-cell lymphoma. *Am J Surg Pathol.* 36(1):109–16. PMID:21989349
420. Chabot-Richards D, Zhang Q-Y, Foucar K (2017). B-cell chronic lymphocytic leukemia/small lymphocytic lymphoma, monoclonal B-cell lymphocytosis, and B-cell polymorphic leukemia. In: Jaffe ES, Arber DA, Campo E, Harris NL, Quintanilla-Martinez L, editors. *Hematopathology.* 2nd ed. Philadelphia: Elsevier; pp. 261–84.
421. Chahal HS, Lin Y, Ransohoff KJ, Hinds DA, Wu W, Dai HJ, et al. (2016). Genome-wide association study identifies novel susceptibility loci for cutaneous squamous cell carcinoma. *Nat Commun.* 7:12048. PMID:27424798
422. Chahal HS, Rieger KE, Sarin KY (2017). Incidence ratio of basal cell carcinoma to squamous cell carcinoma equalizes with age. *J Am Acad Dermatol.* 76(2):353–4. PMID:28089000
423. Chakraborty R, Hampton OA, Shen X, Simko SJ, Shih A, Abhyankar H, et al. (2014). Mutually exclusive recurrent somatic mutations in MAP2K1 and BRAF support a central role for ERK activation in LCH pathogenesis. *Blood.* 124(19):3007–15. PMID:2502140
424. Chamberlain RS, Huber K, White JC, Travaglino-Parda R (1999). Apocrine gland carcinoma of the axilla: review of the literature and recommendations for treatment. *Am J Clin Oncol.* 22(2):131–5. PMID:10199445
425. Chan AH, Shulman KJ, Lee BA (2017). Differentiating regressed melanoma from regressed lichenoid keratosis. *J Cutan Pathol.* 44(4):338–41. PMID:28026045
426. Chan JK, Fletcher CD, Hicklin GA, Rosai J (1990). Glomeruloid hemangioma. A distinctive cutaneous lesion of multicentric Castleman's disease associated with POEMS syndrome. *Am J Surg Pathol.* 14(11):1036–46. PMID:2173428
427. Chan JK, Sin VC, Wong KF, Ng CS, Tsang WY, Chan CH, et al. (1997). Nonnasal lymphoma expressing the natural killer cell marker CD56: a clinicopathologic study of 49 cases of an uncommon aggressive neoplasm. *Blood.* 89(12):4501–13. PMID:9192774
428. Chan MP, Andea AA, Harms PW, Durham AB, Patel RM, Wang M, et al. (2016). Genomic copy number analysis of a spectrum of blue nevi identifies recurrent aberrations of entire chromosomal arms in melanoma ex blue nevus. *Mod Pathol.* 29(3):227–39. PMID:26743478
429. Chan SA, Hejmadi R, Webster K, Kaur MR (2016). An unexpected growth arising within nevus sebaceous of Jadassohn. *Dermatol Online J.* 22(1). PMID:26990478
430. Chang AE, Karnell LH, Menck HR (1998). The National Cancer Data Base report on cutaneous and noncutaneous melanoma: a summary of 84,836 cases from the past decade. *Cancer.* 83(8):1664–78. PMID:9781962
431. Chang JW (2013). Acral melanoma: a unique disease in Asia. *JAMA Dermatol.* 149(11):1272–3. PMID:24068331
432. Chang JY, Wang C-S, Hung CC, Tsai TF, Hsiao CH (2002). Multiple Epstein-Barr virus-associated subcutaneous angioleiomyomas in a patient with acquired immunodeficiency syndrome. *Br J Dermatol.* 147(3):563–7. PMID:12207602
433. Chang MD, Arthur AK, Garcia JJ, Sukov WR, Shon W (2016). ETV6 rearrangement in a case of mammary analogue secretory carcinoma of the skin. *J Cutan Pathol.* 43(11):1045–9. PMID:27506949
434. Chang SE, Ahn SJ, Choi JH, Sung KJ, Moon KC, Koh JK (1999). Primary adenoid cystic carcinoma of skin with lung metastasis. *J Am Acad Dermatol.* 40(4):640–2. PMID:10188691
435. Chang SE, Kim KJ, Kim ES, Choi JH, Sung KJ, Moon KC, et al. (2002). Two cases of late onset Ota's naevus. *Clin Exp Dermatol.* 27(3):202–4. PMID:12072008
436. Chang Y, Moore P (2014). Twenty years of KSHV. *Viruses.* 6(11):4258–64. PMID:25386844
437. Chang YM, Barrett JH, Bishop DT, Armstrong BK, Bataille V, Bergman W, et al. (2009). Sun exposure and melanoma risk at different latitudes: a pooled analysis of 5700 cases and 7216 controls. *Int J Epidemiol.* 38(3):814–30. PMID:19359257
438. Chantorn R, Wisuthsarewong W, Aanpreung P, Sanpakit K, Manonukul J (2008). Severe congenital systemic juvenile xanthogranuloma in monozygotic twins. *Pediatr Dermatol.* 25(4):470–3. PMID:18789091
439. Chappell AG, Chase EP, Chang B, Cunningham E, Mihm F, Calame A, et al. (2016). Atypical fibroxanthoma in a 13-year-old Guatemalan girl with xeroderma pigmentosum. *Pediatr Dermatol.* 33(3):e228–9. PMID:27046537
440. Charbel C, Fontaine RH, Malouf GG, Picard A, Kadlub N, El-Murr N, et al. (2014). NRAS mutation is the sole recurrent somatic mutation in large congenital melanocytic nevi. *J Invest Dermatol.* 134(4):1067–74. PMID:24129063
441. Chase DR, Enzinger FM (1985). Epithelioid sarcoma. Diagnosis, prognostic indicators, and treatment. *Am J Surg Pathol.* 9(4):241–63. PMID:4014539
442. Chasset F, Barete S, Charlotte F, Cohen-Aubart F, Arnaud L, Le Pelletier F, et al. (2016). Cutaneous manifestations of Erdheim-Chester disease (ECD): clinical, pathological, and molecular features in a monocentric series of 40 patients. *J Am Acad Dermatol.* 74(3):513–20. PMID:26785805
443. Chatzinasiou F, Lill CM, Kypreou K, Stefanaki I, Nicolaou V, Spyrou G, et al. (2011). Comprehensive field synopsis and systematic meta-analyses of genetic association studies in cutaneous melanoma. *J Natl Cancer Inst.* 103(16):1227–35. PMID:21693730
444. Chaudhry IH, Calonje E (2005). Dermal non-neural granular cell tumour (so-called primitive polypoid granular cell tumour): a distinctive entity further delineated in a clinicopathological study of 11 cases. *Histopathology.* 47(2):179–85. PMID:16045779
445. Chhani L, Guillou L, Terrier P, Decouve-laere AV, Grégoire F, Terrier-Lacombe MJ, et al. (2009). Epithelioid sarcoma: a clinicopathologic and immunohistochemical analysis of 106 cases from the French Sarcoma Group. *Am J Clin Pathol.* 131(2):222–7. PMID:19141382
446. Chen BJ, Mariño-Enriquez A, Fletcher CD, Hornick JL (2012). Loss of retinoblastoma protein expression in spindle cell/pleomorphic lipomas and cytogenetically related tumors: an immunohistochemical study with diagnostic



- implications. *Am J Surg Pathol.* 36(8):1119–28. PMID:22790852
447. Chen J, Beg M, Chen S (2016). Syringocystadenocarcinoma papilliferum in situ, a variant of cutaneous adenocarcinoma in situ: a case report with literature review. *Am J Dermatopathol.* 38(10):762–5. PMID:27533073
448. Chen JY, Hruby G, Scolyer RA, Murali R, Hong A, Fitzgerald P, et al. (2008). Desmoplastic neurotropic melanoma: a clinicopathologic analysis of 128 cases. *Cancer.* 113(10):2770–8. PMID:18823042
449. Chen TC, Kuo T, Chan HL (2000). Dermatofibroma is a clonal proliferative disease. *J Cutan Pathol.* 27(1):36–9. PMID:10660130
450. Cheon M, Jung KE, Kim HS, Lee JY, Kim HO, Park CK, et al. (2013). Medallion-like dermal dendrocyte hamartoma: differential diagnosis with congenital atrophic dermatofibrosarcoma protuberans. *Ann Dermatol.* 25(3):382–4. PMID:24003290
451. Chervenak FA, Isaacson G, Blakemore KJ, Breg WR, Hobbins JC, Berkowitz RL, et al. (1983). Fetal cystic hygroma. Cause and natural history. *N Engl J Med.* 309(14):822–5. PMID:6888468
452. Chetty R, Serra S, Hsieh E (2005). Basaloid squamous carcinoma of the anal canal with an adenoid cystic pattern: histologic and immunohistochemical reappraisal of an unusual variant. *Am J Surg Pathol.* 29(12):1668–72. PMID:16327441
453. Cheuk W, Cheung FY, Lee KC, Chan JK (2009). Cutaneous indeterminate dendritic cell tumor with a protracted relapsing clinical course. *Am J Surg Pathol.* 33(8):1261–3. PMID:19471157
454. Cheung M, Kadariya Y, Talarchek J, Pei J, Ohar JA, Kayaleh OR, et al. (2015). Germline BAP1 mutation in a family with high incidence of multiple primary cancers and a potential gene-environment interaction. *Cancer Lett.* 369(2):261–5. PMID:26409435
455. Cheung YH, Gayden T, Campeau PM, LeDuc CA, Russo D, Nguyen VH, et al. (2013). A recurrent PDGFRB mutation causes familial infantile myofibromatosis. *Am J Hum Genet.* 92(6):996–1000. PMID:23731537
456. Chiarugi A, Quaglino P, Crocetti E, Nardini P, De Giorgi V, Borgognoni L, et al. (2015). Melanoma density and relationship with the distribution of melanocytic naevi in an Italian population: a GIPMe study—the Italian multidisciplinary group on melanoma. *Melanoma Res.* 25(1):80–7. PMID:25171087
457. Chibon F, Lagarde P, Salas S, Pérot G, Brouste V, Tirode F, et al. (2010). Validated prediction of clinical outcome in sarcomas and multiple types of cancer on the basis of a gene expression signature related to genome complexity. *Nat Med.* 16(7):781–7. PMID:20581836
458. Chikwava K, Jaffe R (2004). Langerin (CD207) staining in normal pediatric tissues, reactive lymph nodes, and childhood histiocytic disorders. *Pediatr Dev Pathol.* 7(6):607–14. PMID:15630529
459. Child FJ, Russell-Jones R, Woolford AJ, Calonje E, Photiou A, Orchard G, et al. (2001). Absence of the (14;18) chromosomal translocation in primary cutaneous B-cell lymphoma. *Br J Dermatol.* 144(4):735–44. PMID:11298531
460. PDQ Pediatric Treatment Editorial Board (2002). Childhood vascular tumors treatment (PDQ®): health professional version.
461. Chiller K, Passaro D, Scheueller M, Singer M, McCalmont T, Grekin RC (2000). Microcystic adnexal carcinoma: forty-eight cases, their treatment, and their outcome. *Arch Dermatol.* 136(11):1355–9. PMID:11074698
462. Chimenti S, Fink-Puches R, Peris K, Pescarmona E, Pütz B, Kerl H, et al. (1999). Cutaneous involvement in lymphoblastic lymphoma. *J Cutan Pathol.* 26(8):379–85. PMID:10551409
463. Chitsazzadeh V, Coarfa C, Drummond JA, Nguyen T, Joseph A, Chilukuri S, et al. (2016). Cross-species identification of genomic drivers of squamous cell carcinoma development across preneoplastic intermediates. *Nat Commun.* 7:12601. PMID:27574101
464. Cho KH, Kim CW, Heo DS, Lee DS, Choi WW, Rim JH, et al. (2001). Epstein-Barr virus-associated peripheral T-cell lymphoma in adults with hydroa vacciniforme-like lesions. *Clin Exp Dermatol.* 26(3):242–7. PMID:11422165
465. Cho KH, Lee SH, Kim CW, Jeon YK, Kwon IH, Cho YJ, et al. (2004). Epstein-Barr virus-associated lymphoproliferative lesions presenting as a hydroa vacciniforme-like eruption: an analysis of six cases. *Br J Dermatol.* 151(2):372–80. PMID:15327544
466. Cho-Vega JH, Medeiros LJ, Prieto VG, Vega F (2008). Leukemia cutis. *Am J Clin Pathol.* 129(1):130–42. PMID:18089498
467. Choi CM, Lew BL, Sim WY (2013). Multiple trichofolliculomas on unusual sites: a case report and review of the literature. *Int J Dermatol.* 52(1):87–9. PMID:22640019
468. Choi EK, Chévez-Barrios P (2014). Inflamed conjunctival nevi: histopathological criteria. *Arch Pathol Lab Med.* 138(9):1242–6. PMID:25171709
469. Choi EY, Gardner JM, Lucas DR, McHugh JB, Patel RM (2014). Ewing sarcoma. *Semin Diagn Pathol.* 31(1):39–47. PMID:24680181
470. Choi HR, Sturgis EM, Rosenthal DI, Luna MA, Batsakis JG, El-Naggar AK (2003). Sarcomatoid carcinoma of the head and neck: molecular evidence for evolution and progression from conventional squamous cell carcinomas. *Am J Surg Pathol.* 27(9):1216–20. PMID:12960805
471. Choi J, Goh G, Walradt T, Hong BS, Bunick CG, Chen K, et al. (2015). Genomic landscape of cutaneous T cell lymphoma. *Nat Genet.* 47(9):1011–9. PMID:26192916
472. Choi YD, Chun SM, Jin SA, Lee JB, Yun SJ (2013). Amelanotic acral melanomas: clinicopathological, BRAF mutation, and KIT aberration analyses. *J Am Acad Dermatol.* 69(5):700–7. PMID:23972510
473. Choi YS, Park SH, Bang D (1989). Pilar sheath acanthoma—report of a case with review of the literature. *Yonsei Med J.* 30(4):392–5. PMID:2697113
474. Chott A, Vonderheid EC, Olbright S, Miao NN, Balk SP, Kadin ME (1996). The dominant T cell clone is present in multiple regressing skin lesions and associated T cell lymphomas of patients with lymphomatoid papulosis. *J Invest Dermatol.* 106(4):696–700. PMID:8618007
475. Chow E, Merchant TE, Pappo A, Jenkins JJ, Shah AB, Kun LE (2000). Cutaneous and subcutaneous Ewing's sarcoma: an indolent disease. *Int J Radiat Oncol Biol Phys.* 46(2):433–8. PMID:10661351
476. Christie LJ, Evans AT, Bray SE, Smith ME, Kernohan NM, Levison DA, et al. (2006). Lesions resembling Langerhans cell histiocytosis in association with other lymphoproliferative disorders: a reactive or neoplastic phenomenon? *Hum Pathol.* 37(1):32–9. PMID:16360413
477. Chu MB, Slutsky JB, Dhandha MM, Beal BT, Armbricht ES, Walker RJ, et al. (2014). Evaluation of the definitions of “high-risk” cutaneous squamous cell carcinoma using the American Joint Committee on Cancer staging criteria and National Comprehensive Cancer Network guidelines. *J Skin Cancer.* 2014:154340. PMID:25309755
478. Chu SW, Biswas A (2015). Basal cell carcinomas showing histological features generally associated with cutaneous adnexal neoplasms. *J Cutan Pathol.* 42(12):1049–62. PMID:26264868
479. Chulia MT, Paya A, Niveiro M, Ceballos S, Aranda FI (2001). Phylloides tumor in ectopic breast tissue of the vulva. *Int J Surg Pathol.* 9(1):81–3. PMID:11469353
480. Chung EB, Enzinger FM (1979). Fibroma of tendon sheath. *Cancer.* 44(5):1945–54. PMID:91424
481. Chung EB, Enzinger FM (1983). Malignant melanoma of soft parts. A reassessment of clear cell sarcoma. *Am J Surg Pathol.* 7(5):405–13. PMID:6614306
482. Chung HJ, Wolpowitz D, Scott G, Gilmore E, Bhawan J (2016). Squamous cell carcinoma with osteoclast-like giant cells: a morphologically heterogeneous group including carcinosarcoma and squamous cell carcinoma with stromal changes. *J Cutan Pathol.* 43(2):148–57. PMID:26272477
483. Chung WK, Lee DW, Yang JH, Lee MW, Choi JH, Moon KC (2009). Glomeruloid hemangioma as a very early presenting sign of POEMS syndrome. *J Cutan Pathol.* 36(10):1126–8. PMID:19614998
484. Chung-Park M, Zheng Liu C, Giampoli EJ, Emery JD, Shalodi A (2002). Mucinous adenocarcinoma of ectopic breast tissue of the vulva. *Arch Pathol Lab Med.* 126(10):1216–8. PMID:12296762
485. Cibull TL, Gleason BC, O'Malley DP, Billings SD, Wiersma P, Hiatt KM (2008). Malignant cutaneous glomus tumor presenting as a rapidly growing leg mass in a pregnant woman. *J Cutan Pathol.* 35(8):765–9. PMID:18422692
486. Cicchiello M, Lin MJ, Pan Y, McLean C, Kelly JW (2016). An assessment of clinical pathways and missed opportunities for the diagnosis of nodular melanoma versus superficial spreading melanoma. *Australas J Dermatol.* 57(2):97–101. PMID:26563931
487. Cichowski K, Jacks T (2001). NF1 tumor suppressor gene function: narrowing the GAP. *Cell.* 104(4):593–604. PMID:11239415
488. Ackerman LV (1948). Verrucous carcinoma of the oral cavity. *Surgery.* 23(4):670–8. PMID:18907508
489. Clark WH (1991). Tumour progression and the nature of cancer. *Br J Cancer.* 64(4):631–44. PMID:1911211
490. Clark WH Jr, Elder DE, Guerry D 4th, Braitman LE, Trock BJ, Schultz D, et al. (1989). Model predicting survival in stage I melanoma based on tumor progression. *J Natl Cancer Inst.* 81(24):1893–904. PMID:2593166
491. Clark WH Jr, Elder DE, Guerry D 4th, Epstein MN, Greene MH, Van Horn M (1984). A study of tumor progression: the precursor lesions of superficial spreading and nodular melanoma. *Hum Pathol.* 15(12):1147–65. PMID:6500548
492. Clark WH Jr, Elder DE, Van Horn M (1986). The biologic forms of malignant melanoma. *Hum Pathol.* 17(5):443–50. PMID:3699806
493. Clark WH Jr, From L, Bernardino EA, Mihm MC (1969). The histogenesis and biologic behavior of primary human malignant melanomas of the skin. *Cancer Res.* 29(3):705–27. PMID:5773814
494. Clark WH Jr, Hood AF, Tucker MA, Jampel RM (1998). Atypical melanocytic nevi of the genital type with a discussion of reciprocal parenchymal-stromal interactions in the biology of neoplasia. *Hum Pathol.* 29(1 Suppl 1):S1–24. PMID:9445124
495. Clark WH Jr, Reimer RR, Greene M, Ainsworth AM, Mastrangelo MJ (1978). Origin of familial malignant melanomas from heritable melanocytic lesions. ‘The B-K mole syndrome’. *Arch Dermatol.* 114(5):732–8. PMID:646394
496. Claudy AL, Garcier F, Kanitakis J (1984). Eccrine porocarcinoma. Ultrastructural and immunological study. *J Dermatol.* 11(3):282–6. PMID:6092444
- 496A. Clendenning WE, Rappaport HM (1970). Report of the Committee on Pathology of Cutaneous T Cell Lymphomas. *Cancer Treat Res.* 63(4):719–24. PMID:376141
497. Clevenger J, Joseph C, Dawlett W, Gan M, Gong Y (2014). Reliability of immunostaining using pan-melanoma cocktail, SOX10, and microphthalmia transcription factor in confirming a diagnosis of melanoma on fine-needle aspiration smears. *Cancer Cytopathol.* 122(10):779–85. PMID:24954720
498. Clinical memoranda (1886). *Br Med J.* 1(1315):491–3. PMID:20751496
499. Cobb MW (1990). Human papillomavirus infection. *J Am Acad Dermatol.* 22(4):547–61. PMID:2156916
500. Cockerell CJ (2000). Histopathology of an incipient intraepidermal squamous cell carcinoma (“actinic keratosis”). *J Am Acad Dermatol.* 42(1 Pt 2):11–7. PMID:10607351
501. Coffin CM, Dehner LP (1980). Cutaneous peripheral neural tumors (neurofibromas) in children and adolescents: a clinicopathological and immunohistochemical study. *Pediatr Pathol.* 10(3):351–61. PMID:1653435
502. Coffin CM, Hornick JL, Zhou H, Ramey CD (2007). Gardner fibroma: a clinicopathologic and immunohistochemical analysis in patients with 57 fibromas. *Am J Surg Pathol.* 31(3):410–6. PMID:17325483
503. Cohen Aubart F, Emile JF, Caron Charlotte F, Benamer N, Donadieu J, et al. (2017). Targeted therapies in 54 patients with Erdheim-Chester disease, including follow-up after interruption (the LOVE study). *Blood.* 130(11):1377–80. PMID:28667012
504. Cohen JN, Joseph NM, North JP, Deacon C, Zembowicz A, LeBoit PE (2017). Genetic analysis of pigmented epithelioid melanocytomas reveals recurrent alterations in PRKCA and PRKCB genes. *Am J Surg Pathol.* 41(10):1333–46. PMID:28796000
505. Cohen PR, Kohn SR, Kurczok R, et al. Association of sebaceous gland tumors with internal malignancy: the Muir-Torre syndrome. *Am J Med.* 90(5):606–13. PMID:2028010
506. Cohen PR, Schulze KE, Nelson BR (2006). Basal cell carcinoma with metastatic biology: a possible pathogenesis for metastatic skin cancer. *Dermatol Surg.* 32(4):540–5. PMID:16681663
507. Cohen PR, Ulmer R, Therasse H, Javel IM, Duvic M (1997). Epidemiologic and immunogenetic clinical characteristics and immunohistochemical features. *Am J Dermatopathol.* 19(1):41–4. PMID:9185908
508. Cohen SS, Skovbo S, Westergaard Kristensen T, Møller M, Birdsall-Jones A, et al. (2014). Epidemiology of systemic mastocytosis in Denmark. *Br J Haematol.* 166(4):1223–30. PMID:24761987
509. Cohen Y, Rosenbaum E, Segan S, Eisenberg D, Esche C, Lavie O, et al. (2014). Core 15 BRAF mutations are uncommon in melanomas arising in non-sun-exposed sites. *Cancer Res.* 10(10):3444–7. PMID:25000000
510. Coindre JM (2006). Grading of soft tissue sarcomas: review and update. *Acta Pathol Microbiol.* 130(10):1448–53. PMID:1738816
511. Coit DG, Thompson JA, Aggarwal N, Wackback R, Bichakjian CK, Carson WE, et al. (2016). Melanoma. Version 2.2016. NCCN Clinical Practice Guidelines in Oncology. *J Natl Compr Canc Netw.* 14(4):e1–e31. PMID:27059193
512. Colburn DE, Welch MA, Gleason M (1980). Skin infiltration with chronic lymphocytic leukemia is consistent with a good prognosis. *Hematology.* 7(3):187–8. PMID:1224388
- 512A. Colby TV, Burke JS, Hoxby RC, et al. Lymph node biopsy in mycosis fungoides



- Cancer. 47(2):351–9. PMID:7459823
513. Coleman WP 3rd, Loria PR, Reed RJ, Krentz ET (1980). Acral lentiginous melanoma. *Arch Dermatol.* 116(7):773–6. PMID:7396539
514. Collin M, Bigley V (2016). Monocyte, macrophage, and dendritic cell development: the human perspective. *Microbiol Spectr.* 4(5). PMID:27780016
515. Collin M, Bigley V, McClain KL, Allen CE (2015). Cell(s) of origin of Langerhans cell histiocytosis. *Hematol Oncol Clin North Am.* 29(5):825–38. PMID:26461145
516. Collin M, Milne P (2016). Langerhans cell origin and regulation. *Curr Opin Hematol.* 23(1):28–35. PMID:26554892
517. Collini P, Sampietro G, Bertulli R, Casali PG, Luksch R, Mezzelani A, et al. (2001). Cytokeratin immunoreactivity in 41 cases of ESS/PNET confirmed by molecular diagnostic studies. *Am J Surg Pathol.* 25(2):273–4. PMID:11176079
518. Colomo L, Loong F, Rives S, Pittaluga S, Martínez A, López-Guillermo A, et al. (2004). Diffuse large B-cell lymphomas with plasmablastic differentiation represent a heterogeneous group of disease entities. *Am J Surg Pathol.* 28(6):736–47. PMID:15166665
519. Colonje E, Brenn T, Lazar A, McKee PH (2011). Tumors of the surface epithelium. In: *McKee's pathology of the skin.* 4th ed. Philadelphia: Saunders Elsevier; pp. 1086–7.
520. Conde-Sterling DA, Aguilera NS, Nand-edkar MA, Abbondanzo SL (2000). Immunoperoxidase detection of CD10 in precursor T-lymphoblastic lymphoma/leukemia: a clinicopathologic study of 24 cases. *Arch Pathol Lab Med.* 124(5):704–8. PMID:10782151
521. Cook DL, Pugliano-Mauro MA, Schultz ZL (2013). Atypical pilar leiomyomatosis: an unusual presentation of multiple atypical cutaneous leiomyomas. *J Cutan Pathol.* 40(6):564–8. PMID:23550704
522. Cook MG, Massi D, Blokk WAM, Van den Noord J, Koljenović S, De Giorgi V, et al. (2017). New insights into naevoid melanomas: a clinicopathological reassessment. *Histopathology.* 71(6):943–950. PMID:28741688
523. Cooper JZ, Newman SR, Scott GA, Brown MD (2005). Metastasizing atypical fibroxanthoma (cutaneous malignant histiocytoma): report of five cases. *Dermatol Surg.* 31(2):221–5. PMID:15762219
524. Cooper PH (1992). Deep penetrating plexiform spindle cell nevus. A frequent participant in combined nevus. *J Cutan Pathol.* 19(3):172–80. PMID:1401342
525. Cooper PH, Adelson GL, Holthaus WH (1984). Primary cutaneous adenoid cystic carcinoma. *Arch Dermatol.* 120(6):774–7. PMID:6326693
526. Cooper PH, McAllister HA, Helwig EB (1979). Intravenous pyogenic granuloma. A study of 18 cases. *Am J Surg Pathol.* 3(3):221–8. PMID:575269
527. Cooper PH, Mills SE, Leonard DD, Santa Cruz DJ, Headington JT, Barr RJ, et al. (1985). Sclerosing sweat duct (syringomatous) carcinoma. *Am J Surg Pathol.* 9(6):422–33. PMID:4091180
528. Corbalán-Vélez R, Ruiz-Macia JA, Brulau C, López-Lozano JM, Martínez-Barba E, Carapeto FJ (2009). Clear cells in cutaneous squamous cell carcinoma. *Actas Dermosifiliogr.* 100(4):307–16. [Spanish] PMID:19463234
529. Cordiali-Fei P, Trento E, Giovanetti M, Lo Presti A, Latini A, Giuliani M, et al. (2015). Analysis of the ORF1K hypervariable regions reveal distinct HHV-8 clustering in Kaposi's sarcoma and non-Kaposi's cases. *J Exp Clin Cancer Res.* 34(1):1. PMID:25592960
530. Correa R, Salpea P, Stratakis CA (2015). Carney complex: an update. *Eur J Endocrinol.* 173(4):M85–97. PMID:26130139
531. Corti M, Carolis LD, Solarì R, Villafañe MF, Schtirbu R, Lewi D, et al. (2010). Non Hodgkin's lymphoma with cutaneous involvement in AIDS patients: report of five cases and review of the literature. *Braz J Infect Dis.* 14(1):81–5. PMID:20428660
532. Costa S, Byrne M, Pissaloux D, Haddad V, Paindavoine S, Thomas L, et al. (2016). Melanomas associated with blue nevi or mimicking cellular blue nevi: clinical, pathologic, and molecular study of 11 cases displaying a high frequency of GNA11 mutations, BAP1 expression loss, and a predilection for the scalp. *Am J Surg Pathol.* 40(3):368–77. PMID:26645730
533. Costache M, Desa LT, Mitrache LE, Pătrașcu OM, Dumitru A, Costache D, et al. (2014). Cutaneous verrucous carcinoma - report of three cases with review of literature. *Rom J Morphol Embryol.* 55(2):383–8. PMID:24969990
534. Costigan DC, Doyle LA (2016). Advances in the clinicopathological and molecular classification of cutaneous mesenchymal neoplasms. *Histopathology.* 68(6):776–95. PMID:26763770
535. Cota C, Vale E, Viana I, Requena L, Ferrara G, Anemona L, et al. (2010). Cutaneous manifestations of blastic plasmacytoid dendritic cell neoplasm-morphologic and phenotypic variability in a series of 33 patients. *Am J Surg Pathol.* 34(1):75–87. PMID:19956058
537. Coustan-Smith E, Mullighan CG, Onciu M, Behm FG, Raimondi SC, Pei D, et al. (2009). Early T-cell precursor leukaemia: a subtype of very high-risk acute lymphoblastic leukaemia. *Lancet Oncol.* 10(2):147–56. PMID:19147408
538. Couto JA, Vivero MP, Kozakewich HP, Taghnia AH, Mulliken JB, Warman ML, et al. (2015). A somatic MAP3K3 mutation is associated with verrucous venous malformation. *Am J Hum Genet.* 96(3):480–6. PMID:25728774
539. Cowen EW, Pichard DC, Garabedian E, Miettinen M (2016). Medallion-like dermal dendrocytic hamartoma, dermatofibrosarcoma protuberans, and adenosine deaminase-deficient severe combined immunodeficiency. *Pediatr Dermatol.* 33(3):359–60. PMID:27176810
540. Cox NH, Bloxham CA, Lawrence CM (1991). Halo eczema—resolution after excision of the central naevus alone. *Clin Exp Dermatol.* 16(1):66–7. PMID:2025942
541. Cox NH, Eedy DJ, Morton CA (2007). Guidelines for management of Bowen's disease: 2006 update. *Br J Dermatol.* 156(1):11–21. PMID:17199561
542. Cramer SF (1984). The histogenesis of acquired melanocytic nevi. Based on a new concept of melanocytic differentiation. *Am J Dermatopathol.* 6 Suppl:289–98. PMID:6528932
543. Cramer SF, Fesyuk A (2012). On the development of neurocutaneous units—implications for the histogenesis of congenital, acquired, and dysplastic nevi. *Am J Dermatopathol.* 34(1):60–81. PMID:22197860
544. Cramer SF, Heggeness LM (1989). Signet-ring squamous cell carcinoma. *Am J Clin Pathol.* 91(4):488–91. PMID:2467552
545. Crawford KM, Kobayashi T (2004). Nevoid basal cell carcinoma syndrome or multiple hereditary infundibulocystic basal cell carcinoma syndrome? *J Am Acad Dermatol.* 51(6):989–95. PMID:15583598
546. Criscione VD, Weinstock MA, Naylor MF, Luque C, Eide MJ, Bingham SF (2009). Actinic keratoses: natural history and risk of malignant transformation in the Veterans Affairs Topical Tretinoin Chemoprevention Trial. *Cancer.* 115(11):2523–30. PMID:19382202
547. Cronin DM, George TI, Reichard KK, Sundram UN (2012). Immunophenotypic analysis of myeloperoxidase-negative leukemia cutis and blastic plasmacytoid dendritic cell neoplasm. *Am J Clin Pathol.* 137(3):367–76. PMID:22338048
548. Croteau SE, Gupta D (2016). The clinical spectrum of kaposiform hemangioendothelioma and tufted angioma. *Semin Cutan Med Surg.* 35(3):147–52. PMID:27607323
549. Crotty KA, Scolyer RA, Li L, Palmer AA, Wang L, McCarthy SW (2002). Spitz naevus versus Spitzoid melanoma: when and how can they be distinguished? *Pathology.* 34(1):6–12. PMID:11902448
550. Crowson AN (2006). Basal cell carcinoma: biology, morphology and clinical implications. *Mod Pathol.* 19 Suppl 2:S127–47. PMID:16446711
551. Crum CP, Herrington CS, McCulligage WG, Regauer S, Wilkinson EJ (2014). Paget disease. In: Kurman RJ, Carcangiu ML, Herrington CS, Young RH, editors. WHO classification of tumours of female reproductive organs. 4th ed. Lyon: International Agency for Research on Cancer; pp. 236–7.
552. Cui L, Zhang J, Zhang X, Chang H, Qu C, Zhang J, et al. (2015). Angiosarcoma (Stewart-Treves syndrome) in postmastectomy patients: report of 10 cases and review of literature. *Int J Clin Exp Pathol.* 8(9):11108–15. PMID:26617830
553. Cullen D, Díaz Recuero JL, Cullen R, Rodríguez Peralto JL, Kutzner H, Requena L (2017). Superficial acral fibromyxoma: report of 13 cases with new immunohistochemical findings. *Am J Dermatopathol.* 39(1):14–22. PMID:28045748
554. Curtin JA, Busam K, Pinkel D, Bastian BC (2006). Somatic activation of KIT in distinct subtypes of melanoma. *J Clin Oncol.* 24(26):4340–6. PMID:16908931
555. Curtin JA, Fridlyand J, Kageshita T, Patel HN, Busam KJ, Kutzner H, et al. (2005). Distinct sets of genetic alterations in melanoma. *N Engl J Med.* 353(20):2135–47. PMID:16291983
556. Cust AE, Armstrong BK, Goumas C, Jenkins MA, Schmid H, Hopper JL, et al. (2011). Sunbed use during adolescence and early adulthood is associated with increased risk of early-onset melanoma. *Int J Cancer.* 128(10):2425–35. PMID:20669232
557. da Silva Almeida AC, Abate F, Khiabani H, Martinez-Escala E, Guitart J, Tensen CP, et al. (2015). The mutational landscape of cutaneous T cell lymphoma and Sézary syndrome. *Nat Genet.* 47(12):1465–70. PMID:26551667
558. da Silva AD, Silva CA, de Camargo Moraes P, Thomaz LA, Furuse C, de Araújo VC (2011). Recurrent oral pyogenic granuloma in port-wine stain. *J Craniofac Surg.* 22(6):2356–8. PMID:22134277
559. Dabner M, McClure RJ, Harvey NT, Budgeon CA, Beer TW, Amanuel B, et al. (2014). Merkel cell polyomavirus and p63 status in Merkel cell carcinoma by immunohistochemistry: Merkel cell polyomavirus positivity is inversely correlated with sun damage, but neither is correlated with outcome. *Pathology.* 46(3):205–10. PMID:24614722
560. Dahlén A, Debiec-Rychter M, Pedoutour F, Domanski HA, Höglund M, Bauer HC, et al. (2003). Clustering of deletions on chromosome 13 in benign and low-malignant lipomatous tumors. *Int J Cancer.* 103(5):616–23. PMID:12494468
561. Dahlén A, Fletcher CD, Mertens F, Fletcher JA, Perez-Atayde AR, Hicks MJ, et al. (2004). Activation of the G1I oncogene through fusion with the beta-actin gene (ACTB) in a group of distinctive pericytic neoplasms: pericytoma with t(7;12). *Am J Pathol.* 164(5):1645–53. PMID:15111311
562. Dai B, Kong YY, Cai X, Shen XX, Kong JC (2014). Spiradenocarcinoma, cylindrocarcinoma and spiradenocylindrocarcinoma: a clinicopathological study of nine cases. *Histopathology.* 65(5):658–66. PMID:24796384
563. Dal Cin P, Sciort R, Polito P, Stas M, de Wever I, Cornelis A, et al. (1997). Lesions of 13q may occur independently of deletion of 16q in spindle cell/pleomorphic lipomas. *Histopathology.* 31(3):222–5. PMID:9354891
564. Daley T, Metcalfe DD, Akin C (2001). Association of the Q576R polymorphism in the interleukin-4 receptor alpha chain with indolent mastocytosis limited to the skin. *Blood.* 98(3):880–2. PMID:11468192
565. Dalia S, Sagatys E, Sokol L, Kubal T (2014). Rosai-Dorfman disease: tumor biology, clinical features, pathology, and treatment. *Cancer Control.* 21(4):322–7. PMID:25310213
566. Dalle S, Beylot-Barry M, Bagot M, Lipsker D, Machel T, Joly P, et al. (2010). Blastic plasmacytoid dendritic cell neoplasm: is transplantation the treatment of choice? *Br J Dermatol.* 162(1):74–9. PMID:19689477
567. Dalton SR, LeBoit PE (2008). Squamous cell carcinoma with clear cells: how often is there evidence of tricholemmal differentiation? *Am J Dermatopathol.* 30(4):333–9. PMID:18645304
568. Damato B, Coupland SE (2008). Conjunctival melanoma and melanosis: a reappraisal of terminology, classification and staging. *Clin Exp Ophthalmol.* 36(8):786–95. PMID:19128387
569. Damato B, Coupland SE (2009). Management of conjunctival melanoma. *Expert Rev Anticancer Ther.* 9(9):1227–39. PMID:19761427
570. Damato B, Eleuteri A, Taktak AF, Coupland SE (2011). Estimating prognosis for survival after treatment of choroidal melanoma. *Prog Retin Eye Res.* 30(5):285–95. PMID:21658465
571. Damato BE, Coupland SE (2012). Differences in uveal melanomas between men and women from the British Isles. *Eye (Lond).* 26(2):292–9. PMID:22079972
572. Danga ME, Yaar R, Bhawan J (2015). Melan-A positive dermal cells in malignant melanoma in situ. *J Cutan Pathol.* 42(6):388–93. PMID:25726939
573. Dangoor A, Seddon B, Gerrand C, Grimer R, Whelan J, Judson I (2016). UK guidelines for the management of soft tissue sarcomas. *Clin Sarcoma Res.* 6:20. PMID:27891213
574. Danialan R, Mutyambizi K, Aung P, Prieto VG, Ivan D (2015). Challenges in the diagnosis of cutaneous adnexal tumours. *J Clin Pathol.* 68(12):992–1002. PMID:26602416
575. Daniels BH, Ko JS, Rowe JJ, Downs-Kelly E, Billings SD (2017). Radiation-associated angiosarcoma in the setting of breast cancer mimicking radiation dermatitis: a diagnostic pitfall. *J Cutan Pathol.* 44(5):456–61. PMID:28169467
576. Daoud MA, Mete O, Al Habeeb A, Ghazarian D (2013). Neuroendocrine carcinoma of the skin—an updated review. *Semin Diagn Pathol.* 30(3):234–44. PMID:24144292
577. Dargent JL, Delannoy A, Pieron P, Husson B, Debecker C, Petrella T (2011). Cutaneous accumulation of plasmacytoid dendritic cells associated with acute myeloid leukemia: a rare condition distinct from blastic plasmacytoid dendritic cell neoplasm. *J Cutan Pathol.* 38(11):893–8. PMID:21883371
578. Dasgupta T, Wilson LD, Yu JB (2009). A retrospective review of 1349 cases of sebaceous carcinoma. *Cancer.* 115(1):158–65. PMID:18988294
579. Daud AI, Wolchok JD, Robert C, Hwu WJ, Weber JS, Ribas A, et al. (2016). Programmed death-ligand 1 expression and response to the anti-programmed death 1 antibody pembrolizumab in melanoma. *J Clin Oncol.*



580. Davies H, Bignell GR, Cox C, Stephens P, Edkins S, Clegg S, et al. (2002). Mutations of the BRAF gene in human cancer. *Nature*. 417(6892):949-54. PMID:12068308
581. Davies JM, Chang YM, Bishop DT, Armstrong BK, Bataille V, Bergman W, et al. (2015). Development and validation of a melanoma risk score based on pooled data from 16 case-control studies. *Cancer Epidemiol Biomarkers Prev*. 24(5):817-24. PMID:25713022
582. Davis DA, Cohen PR (1995). Genitourinary tumors in men with the Muir-Torre syndrome. *J Am Acad Dermatol*. 33(5 Pt 2):909-12. PMID:7593809
583. Davis TH, Morton CC, Miller-Cassman R, Balk SP, Kadin ME (1992). Hodgkin's disease, lymphomatoid papulosis, and cutaneous T-cell lymphoma derived from a common T-cell clone. *N Engl J Med*. 326(17):1115-22. PMID:1532439
584. Dawe RS, Wainwright NJ, Evans AT, Lowe JG (1998). Multiple widespread eruptive Spitz naevi. *Br J Dermatol*. 138(5):872-4. PMID:9666837
585. de Bruin PC, Beljaards RC, van Heerde P, Van Der Valk P, Noorduin LA, Van Krieken JH, et al. (1993). Differences in clinical behaviour and immunophenotype between primary cutaneous and primary nodal anaplastic large cell lymphoma of T-cell or null cell phenotype. *Histopathology*. 23(2):127-35. PMID:8406384
586. de Coninck EC, Kim YH, Varghese A, Hoppe RT (2001). Clinical characteristics and outcome of patients with extracutaneous mycosis fungoides. *J Clin Oncol*. 19(3):779-84. PMID:11157031
587. de la Garza Bravo MM, Patel KP, Loghavi S, Curry JL, Torres Cabala CA, Cason RC, et al. (2015). Shared clonality in distinctive lesions of lymphomatoid papulosis and mycosis fungoides occurring in the same patients suggests a common origin. *Hum Pathol*. 46(4):558-69. PMID:25666664
588. de la Fouchardi re A, Cabaret O, P tre J, Aydin S, Leroy A, de Potter P, et al. (2015). Primary leptomeningeal melanoma is part of the BAP1-related cancer syndrome. *Acta Neuropathol*. 129(6):921-3. PMID:25900292
589. de la Fouchardi re A, Cabaret O, Savin L, Combemale P, Schvartz H, Penet C, et al. (2015). Germline BAP1 mutations predispose also to multiple basal cell carcinomas. *Clin Genet*. 88(3):273-7. PMID:25080371
590. de Planell-Mas E, Mart nez-Garriga B, Zalacain AJ, Vinuesa T, Vi nas M (2017). Human papillomavirus genotyping in plantar warts. *J Med Virol*. 89(5):902-7. PMID:27736001
591. De Rose AF, Tosi M, Mantica G, Piol N, Toncini C, Terrone C (2016). Verruciform xanthoma of the penis: a rare benign lesion that simulates carcinoma. *Arch Ital Urol Androl*. 88(4):284-5. PMID:28073194
592. de Snoo FA, Bishop DT, Bergman W, van Leeuwen I, van der Drift C, van Nieuwpoort FA, et al. (2008). Increased risk of cancer other than melanoma in CDKN2A founder mutation (p16-Leiden)-positive melanoma families. *Clin Cancer Res*. 14(21):7151-7. PMID:18981015
593. de Feraudy S, Fletcher CD (2010). Intra-dermal nodular fasciitis: a rare lesion analyzed in a series of 24 cases. *Am J Surg Pathol*. 34(9):1377-81. PMID:20716998
594. de Feraudy S, Fletcher CD (2012). Fibroblastic connective tissue nevus: a rare cutaneous lesion analyzed in a series of 25 cases. *Am J Surg Pathol*. 36(10):1509-15. PMID:22892597
595. de Leval L, Harris NL, Longtine J, Ferry JA, Duncan LM (2001). Cutaneous B-cell lymphomas of follicular and marginal zone types: use of Bcl-6, CD10, Bcl-2, and CD21 in differential diagnosis and classification. *Am J Surg Pathol*. 25(6):732-41. PMID:11395550
- 595A. de Leval L, Parrrens M, Le Bras F, Jais JP, Fataccioli V, Martin A, et al. (2015). Angioimmunoblastic T-cell lymphoma is the most common T-cell lymphoma in two distinct French information data sets. *Haematologica*. 100(9):e361-4. PMID:26045291
596. de Masson A, Velter C, Galicier L, Meignin V, Boutboul D, Gu ry R, et al. (2016). Disseminated skin involvement in HIV-associated Burkitt lymphoma: a rare clinical feature with poor prognosis. *Br J Dermatol*. 174(1):184-6. PMID:26114450
597. de Souza A, el-Azhary RA, Camilleri MJ, Wada DA, Appert DL, Gibson LE (2012). In search of prognostic indicators for lymphomatoid papulosis: a retrospective study of 123 patients. *J Am Acad Dermatol*. 66(6):928-37. PMID:21982062
598. De Souza A, Ferry JA, Burghart DR, Tinguely M, Goyal A, Duncan LM, et al. (2017). IgG4 expression in primary cutaneous marginal zone lymphoma: a multicenter study. *Appl Immunohistochem Mol Morphol*. [Epub ahead of print] PMID:28151793
599. De Wever I, Dal Cin P, Fletcher CD, Mandahl N, Mertens F, Mitelman F, et al. (2000). Cytogenetic, clinical, and morphologic correlations in 78 cases of fibromatosis: a report from the CHAMP Study Group. *Chromosomes And Morphology. Mod Pathol*. 13(10):1080-5. PMID:11048801
600. DeCoteau JF, Butmarc JR, Kinney MC, Kadin ME (1996). The t(2;5) chromosomal translocation is not a common feature of primary cutaneous CD30+ lymphoproliferative disorders: comparison with anaplastic large-cell lymphoma of nodal origin. *Blood*. 87(8):3437-41. PMID:8605362
601. Dehner LP (2003). Juvenile xanthogranulomas in the first two decades of life: a clinicopathologic study of 174 cases with cutaneous and extracutaneous manifestations. *Am J Surg Pathol*. 27(5):579-93. PMID:12717244
602. Dei Tos AP, Maestro R, Doglioni C, Gasparotto D, Bioicchi M, Laurino L, et al. (1994). Ultraviolet-induced p53 mutations in atypical fibroxanthoma. *Am J Pathol*. 145(1):11-7. PMID:8030743
603. Dei Tos AP, Mentzel T, Fletcher CD (1998). Primary liposarcoma of the skin: a rare neoplasm with unusual high-grade features. *Am J Dermatopathol*. 20(4):332-8. PMID:9700369
604. Deisch J, Fuda FB, Chen W, Karandikar N, Arbin AA, Zhou XJ, et al. (2009). Segmental tandem triplication of the MLL gene in an intravascular large B-cell lymphoma with multisystem involvement: a comprehensive morphologic, immunophenotypic, cytogenetic, and molecular cytogenetic antemortem study. *Arch Pathol Lab Med*. 133(9):1477-82. PMID:19722759
605. del Pino M, Bleeker MC, Quint WG, Snijders PJ, Meijer CJ, Steenbergen RD (2012). Comprehensive analysis of human papillomavirus prevalence and the potential role of low-risk types in verrucous carcinoma. *Mod Pathol*. 25(10):1354-63. PMID:22684225
606. Delaplace M, Lhommel C, de Pinieux G, Vergier B, de Muret A, Machel L (2012). Primary cutaneous Ewing sarcoma: a systematic review focused on treatment and outcome. *Br J Dermatol*. 166(4):721-6. PMID:22098102
607. Delattre O, Zucman J, Melot T, Garau XS, Zucker JM, Lenoir GM, et al. (1994). The Ewing family of tumors—a subgroup of small-round-cell tumors defined by specific chimeric transcripts. *N Engl J Med*. 331(5):294-9. PMID:8022439
608. Demenais F, Mohamdi H, Chaudru V, Goldstein AM, Newton Bishop JA, Bishop DT, et al. (2010). Association of MC1R variants and host phenotypes with melanoma risk in CDKN2A mutation carriers: a GenoMEL study. *J Natl Cancer Inst*. 102(20):1568-83. PMID:20876876
609. Demirkesen C, T z ner N, Esen T, Lebe B, Ozkal S (2011). The expression of IgM is helpful in the differentiation of primary cutaneous diffuse large B cell lymphoma and follicle center lymphoma. *Leuk Res*. 35(9):1269-72. PMID:21700336
610. Deng A, Lee W, Pfau R, Harrington A, DiGiovanni J, Prickett KA, et al. (2008). Primary cutaneous Langerhans cell sarcoma without Birbeck granules: indeterminate cell sarcoma? *J Cutan Pathol*. 35(9):849-54. PMID:18422973
611. Derheimer FA, Hicks JK, Paulsen MT, Canman CE, Ljungman M (2009). Psoralen-induced DNA interstrand cross-links block transcription and induce p53 in an ataxia-telangiectasia and rad3-related-dependent manner. *Mol Pharmacol*. 75(3):599-607. PMID:19064630
612. DeSimone RS, Zielinski CJ (2001). Calcifying aponeurotic fibroma of the hand. A case report. *J Bone Joint Surg Am*. 83-A(4):586-8. PMID:11315790
613. Dessars B, De Raevle LE, El Housni H, Deboucq CJ, Sidon PJ, Morandini R, et al. (2007). Chromosomal translocations as a mechanism of BRAF activation in two cases of large congenital melanocytic nevi. *J Invest Dermatol*. 127(6):1468-70. PMID:17301836
614. Dey A, Allen J, Hankey-Giblin PA (2015). Ontogeny and polarization of macrophages in inflammation: blood monocytes versus tissue macrophages. *Front Immunol*. 5:683. PMID:25657646
615. Deyrup AT, Lee VK, Hill CE, Cheuk W, Toh HC, Kesavan S, et al. (2006). Epstein-Barr virus-associated smooth muscle tumors are distinctive mesenchymal tumors reflecting multiple infection events: a clinicopathologic and molecular analysis of 29 tumors from 19 patients. *Am J Surg Pathol*. 30(1):75-82. PMID:16330945
616. Deyrup AT, McKenney JK, Tighiouart M, Folpe AL, Weiss SW (2008). Sporadic cutaneous angiosarcomas: a proposal for risk stratification based on 69 cases. *Am J Surg Pathol*. 32(1):72-7. PMID:18162773
617. Deyrup AT, Tighiouart M, Montag AG, Weiss SW (2008). Epithelioid hemangioendothelioma of soft tissue: a proposal for risk stratification based on 49 cases. *Am J Surg Pathol*. 32(6):924-7. PMID:18551749
618. Dhomen N, Reis-Filho JS, da Rocha Dias S, Hayward R, Savage K, Delmas V, et al. (2009). Oncogenic Braf induces melanocyte senescence and melanoma in mice. *Cancer Cell*. 15(4):294-303. PMID:19345328
619. Di Giannatale A, Frezza AM, Le Deley MC, Marec-B rard P, Benson C, Blay JY, et al. (2015). Primary cutaneous and subcutaneous Ewing sarcoma. *Pediatr Blood Cancer*. 62(9):1555-61. PMID:25894676
620. Di Napoli A, Giubettini M, Duranti E, Ferrari A, Guglielmi C, Uccini S, et al. (2011). Iatrogenic EBV-positive lymphoproliferative disorder with features of EBV+ mucocutaneous ulcer: evidence for concomitant TCR /IGH rearrangements in the Hodgkin-like neoplastic cells. *Virchows Arch*. 458(5):631-6. PMID:21399965
621. Di Tommaso L, Franchi G, Destro A, Brogna F, Minuti F, Rahal D, et al. (2008). Toker cells of the breast. Morphological and immunohistochemical characterization of 40 cases. *Hum Pathol*. 39(9):1295-300. PMID:18614197
622. Di Tommaso L, Rosai J (2005). The capillary lobule: a deceptively benign feature of post-radiation angiosarcoma of the skin: report of three cases. *Am J Dermatopathol*. 27(4):301-5. PMID:16121049
623. Diamandidou E, Colome M, Fayad L, Duvic M, Kurzrock R (1999). Prognostic factor analysis in mycosis fungoides/S zary syndrome. *J Am Acad Dermatol*. 40(6 Pt 1):24-24. PMID:10365922
624. Diamond EL, Dagna L, Hyman DM, Cavali G, Janku F, Estrada-Veras J, et al. (2014). Consensus guidelines for the diagnosis and clinical management of Erdheim-Chester disease. *Blood*. 124(4):483-92. PMID:24850758
625. Diamond EL, Durham BH, Hancock J, Yao Z, Ma J, Parikh SA, et al. (2016). *Oncogene* and targetable kinase alterations drive histiocytic neoplasms. *Cancer Discov*. 6(2):154-65. PMID:26566875
- 625A. Diamond EL, Subbiah V, Lodiyan AC, Blay JY, Puzanov I, Chau I, et al. (2018). Vemurafenib for BRAF V600-mutant Erdheim-Chester disease and Langerhans cell histiocytosis: analysis of data from the histology-independent, phase 2, open-label VE-BASKET study. *JAMA Oncol*. 4(3):384-8. PMID:29188234
626. Dickson BC, Pethe V, Chung CT, Howell DJ, Bilbao JM, Fornasier VL, et al. (2008). Systemic Erdheim-Chester disease. *Virchows Arch*. 452(2):221-7. PMID:18188595
627. DiGiovanna JJ, Kraemer KH (2012). Shining a light on xeroderma pigmentosum. *J Invest Dermatol*. 132(3 Pt 2):785-96. PMID:22219244
628. DiGiovanna JJ, Patronas N, Katz D, Hwang D, Kraemer KH (1998). Xeroderma pigmentosum: spinal cord astrocytoma with 5-year survival after radiation and isotretinoin therapy. *J Cutan Med Surg*. 2(3):153-8. PMID:9478801
629. Dijkman R, Tensen CP, Jordanov E, Knijnenburg J, Hoefnagel JJ, Muller HA, et al. (2006). Array-based comparative genomic hybridization analysis reveals recurrent chromosomal alterations and prognostic parameters in primary cutaneous large B-cell lymphoma. *Clin Oncol*. 24(2):296-305. PMID:16238893
630. Dijkman R, van Doorn R, Spaargaren A, Vermeer MH, Tensen CP (2007). Gene-expression profiling and array-based CGH classify CD4+CD56+ hematopoietic neoplasm and cutaneous myelomonocytic leukemia as distinct disease entities. *Blood*. 109(4):1720-7. PMID:17068154
631. Dim DC, Cooley LD, Wilton PR (2007). Clear cell sarcoma of tendon and aponeuroses: a review. *Arch Pathol Lab Med*. 131(1):152-6. PMID:17227118
632. Dinneen AM, Mehregan DR (1988). Basocellular epithelioma: a review of 100 cases. *J Am Acad Dermatol*. 34(1):47-50. PMID:8543694
633. Diwan AH, Lazar AJ (2011). Nodular melanoma. *Clin Lab Med*. 31(2):340-40. PMID:21549238
634. Do JE, Noh S, Jee HJ, Oh SH (2010). Familial multiple pilomatricomas: unusual clinical features of a giant mass without associated diseases. *Int J Dermatol*. 50(2):230-3. PMID:23347315
635. Dods A, Chia A, Shumack S (2014). Actinic keratosis: rationale and management. *Dermatol Ther (Heidelb)*. 4(1):7-10. PMID:24627245
636. Doeden K, Molina-Kirsch H, Pavesi G, Warnke R, Sundram U (2008). Hydroxyapatite phoma with CD56 expression. *J Cutan Pathol*. 35(5):488-94. PMID:17976208
637. Dogan S, Wang L, Prashin RN, Dawson RR, Shah JP, Sherman EJ, et al. (2016). Primary analog secretory carcinoma of the thyroid gland: a primary thyroid adenocarcinoma harboring ETV6-NTRK3 fusion. *Mod Pathol*. 29(9):985-95. PMID:27282352
638. Dogru M, Matsuo H, Inoue N, Okamoto Y, Yamamoto M (1997). Management of sebaceous carcinomas. *Ophthalmology*. 111(1):40-3. PMID:8958530
639. D hner H, Stillerbauer S, Bannert



- A. Leupolt E, Kröber A, Bullinger L, et al. (2000). Genomic aberrations and survival in chronic lymphocytic leukemia. *N Engl J Med*. 343(26):1910–6. PMID:11136261
640. Dojcinov SD, Venkataraman G, Pittaluga S, Wlodarska I, Schragr JA, Raffeld M, et al. (2011). Age-related EBV-associated lymphoproliferative disorders in the Western population: a spectrum of reactive lymphoid hyperplasia and lymphoma. *Blood*. 117(18):4726–35. PMID:21385849
641. Dojcinov SD, Venkataraman G, Raffeld M, Pittaluga S, Jaffe ES (2010). EBV positive mucocutaneous ulcer—a study of 26 cases associated with various sources of immunosuppression. *Am J Surg Pathol*. 34(3):405–17. PMID:20154586
642. Domoto H, Terahata S, Sato K, Tamai S (1998). Nodular hidradenoma of the breast: report of two cases with literature review. *Pathol Int*. 48(11):907–11. PMID:9832062
643. Dores GM, Huycke MM, Devesa SS, Garcia CA (2010). Primary cutaneous adenoid cystic carcinoma in the United States: incidence, survival, and associated cancers, 1976 to 2005. *J Am Acad Dermatol*. 63(1):71–8. PMID:20447723
644. Dorsey CS, Montgomery H (1954). Blue nevus and its distinction from Mongolian spot and the nevus of Ota. *J Invest Dermatol*. 22(3):225–36. PMID:13130904
645. Dossett LA, Harrington M, Cruse CW, Gonzalez RJ (2015). Cutaneous angiosarcoma. *Curr Probl Cancer*. 39(4):258–63. PMID:26276214
646. Doyle LA, Fletcher CD (2011). EMA positivity in epithelioid fibrous histiocytoma: a potential diagnostic pitfall. *J Cutan Pathol*. 38(9):697–703. PMID:21752057
647. Doyle LA, Fletcher CD (2013). Metastasizing “benign” cutaneous fibrous histiocytoma: a clinicopathologic analysis of 16 cases. *Am J Surg Pathol*. 37(4):484–95. PMID:23426120
648. Doyle LA, Fletcher CD, Hornick JL (2016). Nuclear expression of CAMTA1 distinguishes epithelioid hemangioperithelioma from histiologic mimics. *Am J Surg Pathol*. 40(1):94–102. PMID:26414223
649. Doyle LA, Mariño-Enríquez A, Fletcher CD, Hornick JL (2015). ALK rearrangement and overexpression in epithelioid fibrous histiocytoma. *Mod Pathol*. 28(7):904–12. PMID:25857825
650. Doyle LA, Möller E, Dal Cin P, Fletcher CD, Mertens F, Hornick JL (2011). MUC4 is a highly sensitive and specific marker for low-grade fibromyxoid sarcoma. *Am J Surg Pathol*. 35(5):733–41. PMID:21451703
651. Dratviman-Storobinsky O, Cohen Y, Frenkel S, Pe'er J, Goldenberg-Cohen N (2010). Lack of oncogenic GNAQ mutations in melanocytic lesions of the conjunctiva as compared to uveal melanoma. *Invest Ophthalmol Vis Sci*. 51(12):6180–2. PMID:20631239
652. Dreizen S, McCredie KB, Keating MJ, Luna MA (1983). Leukening gingival and skin “infiltrates” in adult leukemia. *Oral Surg Oral Med Oral Pathol*. 55(6):572–9. PMID:6576290
653. Droupy S, Attias D, Eschwege P, Hamoudi Y, Benoit G, Jardin A (1999). Bilateral hydronephrosis in a patient with Erdheim-Chester disease. *J Urol*. 162(6):2084–5. PMID:10569576
654. Dubina M, Goldenberg G (2009). Viral-associated nonmelanoma skin cancers: a review. *Am J Dermatopathol*. 31(6):561–73. PMID:19590418
655. Duke WH, Sherrod TT, Lupton GP (2000). Aggressive digital papillary adenocarcinoma (aggressive digital papillary adenoma and adenocarcinoma revisited). *Am J Surg Pathol*. 24(6):775–84. PMID:10843279
656. Duong T, Grange F, Auffret N, Aractingi S, Bodemer C, Brousse N, et al. (2010). Cutaneous Richter’s syndrome, prognosis, and clinical, histological and immunohistological patterns: report of four cases and review of the literature. *Dermatology*. 220(3):226–33. PMID:20145381
657. Dupré A, Carrère S, Bonafé JL, Christol B, Lassère J, Tournon P (1981). Eruptive generalized syringomas, milium and atrophoderma vermiculata. Nicolau and Balus’ syndrome (author’s transl). *Dermatologica*. 162(4):281–6. [French] PMID:7262384
658. Duprez R, Lacoste V, Brière J, Couppié P, Frances C, Sainte-Marie D, et al. (2007). Evidence for a multiclonal origin of multicentric advanced lesions of Kaposi sarcoma. *J Natl Cancer Inst*. 99(14):1086–94. PMID:17623796
659. Dupuis L, Nezarati MM (2001). Neurofibromatosis type I as a model of autosomal dominant inheritance. *Pediatr Dermatol*. 18(5):445–7. PMID:11737695
660. Dupuy A, Sarasin A (2015). DNA damage and gene therapy of xeroderma pigmentosum, a human DNA repair-deficient disease. *Mutat Res*. 776:2–8. PMID:26255934
661. Dupuy A, Valton J, Leduc S, Armier J, Galetto R, Gouble A, et al. (2013). Targeted gene therapy of xeroderma pigmentosum cells using meganuclease and TALEN™. *PLoS One*. 8(11):e78678. PMID:24236034
662. Eberle FC, Song JY, Xi L, Raffeld M, Harris NL, Wilson WH, et al. (2012). Nodal involvement by cutaneous CD30-positive T-cell lymphoma mimicking classical Hodgkin lymphoma. *Am J Surg Pathol*. 36(5):716–25. PMID:22367293
663. Edelbroek JR, Vermeer MH, Jansen PM, Stoof TJ, van der Linden MM, Horváth B, et al. (2012). Langerhans cell histiocytosis first presenting in the skin in adults: frequent association with a second haematological malignancy. *Br J Dermatol*. 167(6):1287–94. PMID:22835048
664. Edinger JT, Kant JA, Swerdlow SH (2010). Cutaneous marginal zone lymphomas have distinctive features and include 2 subsets. *Am J Surg Pathol*. 34(12):1830–41. PMID:21107089
665. Egan CA, Stratakis CA, Turner ML (2001). Multiple lentiginos associated with cutaneous myxomas. *J Am Acad Dermatol*. 44(2):282–4. PMID:11174387
666. Egawa N, Egawa K, Griffin H, Doorbar J (2015). Human papillomaviruses; epithelial tropisms, and the development of neoplasia. *Viruses*. 7(7):3863–90. PMID:26193301
667. Egeler RM, Neglia JP, Puccetti DM, Brennan CA, Nesbit ME (1993). Association of Langerhans cell histiocytosis with malignant neoplasms. *Cancer*. 71(3):865–73. PMID:8431870
668. Egemen A, Ikizoğlu T, Ergör S, Mete Asar G, Yilmaz O (2006). Frequency and characteristics of Mongolian spots among Turkish children in Aegean region. *Turk J Pediatr*. 48(3):232–6. PMID:17172067
669. Egozi-Reinman E, Avitan-Hersh E, Barzilai A, Indelman M, Bergman R (2016). Epidermolytic acanthoma of the genitalia does not show mutations in KRT1 or KRT10. *Am J Dermatopathol*. 38(2):164–5. PMID:26825163
670. El Shabrawi-Caelen L, Kerl H, Cerroni L (2004). Lymphomatoid papulosis: reappraisal of clinicopathologic presentation and classification into subtypes A, B, and C. *Arch Dermatol*. 140(4):441–7. PMID:15096372
671. El Demellawy D, Onuma K, Alowami S (2011). Signet ring squamous cell carcinoma—the forgotten variant: case report and review of the literature. *J Cutan Pathol*. 38(3):306–8. PMID:19751229
672. El-Naggar AK (2006). Clear cell hidradenoma of the skin—a third tumor type with a t(11;19)-associated TORC1-MAML2 gene fusion: *Genes Chromosomes Cancer*. 2005;43:202–205. *Adv Anat Pathol*. 13(2):80–2. PMID:16670462
673. El-Safadi S, Estel R, Maysr P, Muenstedt K (2014). Primary malignant melanoma of the urethra: a systematic analysis of the current literature. *Arch Gynecol Obstet*. 289(5):935–43. PMID:24370958
674. El-Shabrawi L, LeBoit PE (1997). Basal cell carcinoma with thickened basement membrane: a variant that resembles some benign adnexal neoplasms. *Am J Dermatopathol*. 19(6):568–74. PMID:9415612
675. Elco CP, Mariño-Enríquez A, Abraham JA, Dal Cin P, Hornick JL (2010). Hybrid myxoinflammatory fibroblastic sarcoma/hemosiderotic fibrolipomatous tumor: report of a case providing further evidence for a pathogenetic link. *Am J Surg Pathol*. 34(11):1723–7. PMID:20871391
676. Elder DE (1995). Skin cancer. Melanoma and other specific nonmelanoma skin cancers. *Cancer*. 75(1 Suppl):245–56. PMID:8000999
677. Elder DE (2006). Precursors to melanoma and their mimics: nevi of special sites. *Mod Pathol*. 19 Suppl 2:S4–20. PMID:16446715
678. Elder DE (2010). Dysplastic naevi: an update. *Histopathology*. 56(1):112–20. PMID:20055909
679. Elder DE (2014). Pathological staging of melanoma. *Methods Mol Biol*. 1102:325–51. PMID:24258986
680. Elder DE (2016). Melanoma progression. *Pathology*. 48(2):147–54. PMID:27020387
681. Elder DE, Goldman LI, Goldman SC, Greene MH, Clark WH Jr (1980). Dysplastic nevus syndrome: a phenotypic association of sporadic cutaneous melanoma. *Cancer*. 46(8):1787–94. PMID:7427881
682. Elder DE, Xu X (2004). The approach to the patient with a difficult melanocytic lesion. *Pathology*. 36(5):428–34. PMID:15370112
683. Ellis DL, Wheeland RG, Solomon H (1985). Estrogen and progesterone receptors in melanocytic lesions. Occurrence in patients with dysplastic nevus syndrome. *Arch Dermatol*. 121(10):1282–5. PMID:4037821
684. Elmore JG, Barnhill RL, Elder DE, Longton GM, Pepe MS, Reisch LM, et al. (2017). Pathologists’ diagnosis of invasive melanoma and melanocytic proliferations: observer accuracy and reproducibility study. *BMJ*. 357:j2813. PMID:28659278
685. Emanuel PO, de Vinck D, Waldorf HA, Phelps RG (2007). Recurrent endocrine mucin-producing sweat gland carcinoma. *Ann Diagn Pathol*. 11(6):448–52. PMID:18022131
686. Emile JF, Abia O, Fraitag S, Horne A, Haroche J, Donadieu J, et al. (2016). Revised classification of histiocytoses and neoplasms of the macrophage-dendritic cell lineages. *Blood*. 127(22):2672–81. PMID:26966089
687. Emile JF, Diamond EL, Hélias-Rodzewicz Z, Cohen-Aubart F, Charlotte F, Hyman DM, et al. (2014). Recurrent RAS and PIK3CA mutations in Erdheim-Chester disease. *Blood*. 124(19):3016–9. PMID:25150293
688. Emory TS, Scheithauer BW, Hirose T, Wood M, Onofrio BM, Jenkins RB (1995). Intra-neural perineurioma. A clonal neoplasm associated with abnormalities of chromosome 22. *Am J Clin Pathol*. 103(6):696–704. PMID:7785653
689. Endly DC, Weenig RH, Peters MS, Viswanatha DS, Comfere NI (2013). Indolent course of cutaneous gamma-delta T-cell lymphoma. *J Cutan Pathol*. 40(10):896–902. PMID:23379625
690. Engels EA, Frisch M, Goedert JJ, Biggar RJ, Miller RW (2002). Merkel cell carcinoma and HIV infection. *Lancet*. 359(9305):497–8. PMID:11853800
691. Enjolras O, Mulliken JB (1997). Vascular tumors and vascular malformations (new issues). *Adv Dermatol*. 13:375–423. PMID:9551150
692. Enjolras O, Mulliken JB, Boon LM, Wassef M, Kozakewich HP, Burrows PE (2001). Non-involving congenital hemangioma: a rare cutaneous vascular anomaly. *Plast Reconstr Surg*. 107(7):1647–54. PMID:11391180
693. Enjolras O, Mulliken JB, Wassef M, Frieden IJ, Rieu PN, Burrows PE, et al. (2000). Residual lesions after Kasabach-Merritt phenomenon in 41 patients. *J Am Acad Dermatol*. 42(2 Pt 1):225–35. PMID:10642677
694. Enzinger FM (1965). Clear-cell sarcoma of tendons and aponeuroses. An analysis of 21 cases. *Cancer*. 18(9):1163–74. PMID:14332545
695. Enzinger FM (1970). Epithelioid sarcoma. A sarcoma simulating a granuloma or a carcinoma. *Cancer*. 26(5):1029–41. PMID:5476785
696. Enzinger FM, Harvey DA (1975). Spindle cell lipoma. *Cancer*. 36(5):1852–9. PMID:1192370
697. Enzinger FM, Zhang RY (1988). Plexiform fibrohistiocytic tumor presenting in children and young adults. An analysis of 65 cases. *Am J Surg Pathol*. 12(11):818–26. PMID:2847569
698. Epelman S, Lavine KJ, Randolph GJ (2014). Origin and functions of tissue macrophages. *Immunity*. 41(1):21–35. PMID:25035951
699. Epinette WW, Norins AL, Drew AL, Zeman W, Patel V (1973). Angiokeratoma corporis diffusum with alpha-L-fucosidase deficiency. *Arch Dermatol*. 107(5):754–7. PMID:4634000
700. Erickson C, Miller SJ (2010). Treatment options in melanoma in situ: topical and radiation therapy, excision and Mohs surgery. *Int J Dermatol*. 49(5):482–91. PMID:20534080
701. Erickson-Johnson MR, Chou MM, Evers BR, Roth CW, Seys AR, Jin L, et al. (2011). Nodular fasciitis: a novel model of transient neoplasia induced by MYH9-USP6 gene fusion. *Lab Invest*. 91(10):1427–33. PMID:21826056
702. Erickson-Johnson MR, Seys AR, Roth CW, King AA, Hulshizer RL, Wang X, et al. (2009). Carboxypeptidase M: a biomarker for the discrimination of well-differentiated liposarcoma from lipoma. *Mod Pathol*. 22(12):1541–7. PMID:19820690
703. Errani C, Zhang L, Sung YS, Hajdu M, Singer S, Maki RG, et al. (2011). A novel WWTR1-CAMTA1 gene fusion is a consistent abnormality in epithelioid hemangioperithelioma of different anatomic sites. *Genes Chromosomes Cancer*. 50(8):644–53. PMID:21584898
704. Erverdi N, Terzier C, Bostanci B, Kulaçoğlu S (1995). Extra-ocular sebaceous gland carcinoma. *Eur J Cancer*. 31A(9):1546. PMID:7577087
705. Escalonilla P, Requena L (1996). Plaque variant of trichoblastic fibroma. *Arch Dermatol*. 132(11):1388–90. PMID:8915324
706. Escrignano L, Orfao A, Diaz-Agustin B, Villarubia J, Cerveró C, López A, et al. (1998). Indolent systemic mast cell disease in adults: immunophenotypic characterization of bone marrow mast cells and its diagnostic implications. *Blood*. 91(8):2731–6. PMID:9531582
707. Eskelin S, Kivelä T (2002). Mode of presentation and time to treatment of uveal melanoma in Finland. *Br J Ophthalmol*. 86(3):333–8. PMID:11864894
708. Esmaeli B, Roberts D, Ross M, Fellman M, Cruz H, Kim SK, et al. (2012). Histologic features of conjunctival melanoma predictive of metastasis and death (an American Ophthalmological thesis). *Trans Am Ophthalmol Soc*. 110: 64–73. PMID:23818735
709. Estela JR, Rido MT, Pérez A, Unamuno B, Garcías J, Cubells L, et al. (2014). Dermatofibroma of the face: a clinicopathologic study of



- 20 cases. *Actas Dermosifiliogr.* 105(2):172-7. PMID:24275565
710. Estrada-Veras JI, O'Brien KJ, Boyd LC, Dave RH, Durham B, Xi L, et al. (2017). The clinical spectrum of Erdheim-Chester disease: an observational cohort study. *Blood Adv.* 1(6):357-66. PMID:28553668
711. Estrozi B, Sanches JA Jr, Varela PC, Bacchi CE (2009). Primary cutaneous blastoid mantle cell lymphoma-case report. *Am J Dermatopathol.* 31(4):398-400. PMID:19461249
712. Eitzkon JR, Sobanko JF, Elenitsas R, Newman JG, Goldbach H, Shin TM, et al. (2015). Low recurrence rates for in situ and invasive melanomas using Mohs micrographic surgery with melanoma antigen recognized by T cells 1 (MART-1) immunostaining: tissue processing methodology to optimize pathologic staging and margin assessment. *J Am Acad Dermatol.* 72(5):840-50. PMID:25774012
713. Evangelista MT, North JP (2015). Comparative analysis of cytokeratin 15, TDAG51, cytokeratin 20 and androgen receptor in sclerosing adnexal neoplasms and variants of basal cell carcinoma. *J Cutan Pathol.* 42(11):824-31. PMID:26016446
714. Evangelista MT, North JP (2017). MYB, CD117 and SOX-10 expression in cutaneous adnexal tumors. *J Cutan Pathol.* 44(5):444-50. PMID:28098399
715. Evans DG, Howard E, Giblin C, Clancy T, Spencer H, Huson SM, et al. (2010). Birth incidence and prevalence of tumor-prone syndromes: estimates from a UK family genetic register service. *Am J Med Genet A.* 152A(2):327-32. PMID:20082463
716. Evans DG, Ladusans EJ, Rimmer S, Burnell LD, Thakker N, Farndon PA (1993). Complications of the naevoid basal cell carcinoma syndrome: results of a population based study. *J Med Genet.* 30(6):460-4. PMID:8326488
717. Evans HL (1979). Liposarcoma: a study of 55 cases with a reassessment of its classification. *Am J Surg Pathol.* 3(6):507-23. PMID:534388
718. Evans HL (1995). Desmoplastic fibroblastoma. A report of seven cases. *Am J Surg Pathol.* 19(9):1077-81. PMID:7661281
719. Evans HL (2002). Multinucleated giant cells in plantar fibromatosis. *Am J Surg Pathol.* 26(2):244-8. PMID:11812947
720. Evans HL (2007). Atypical lipomatous tumor, its variants, and its combined forms: a study of 61 cases, with a minimum follow-up of 10 years. *Am J Surg Pathol.* 31(1):1-14. PMID:17197914
721. Evans HL, Winkelmann RK, Banks PM (1979). Differential diagnosis of malignant and benign cutaneous lymphoid infiltrates: a study of 57 cases in which malignant lymphoma had been diagnosed or suspected in the skin. *Cancer.* 44(2):699-717. PMID:582573
722. Evans MJ, Gray ES, Blessing K (1998). Histopathological features of acral melanocytic nevi in children: study of 21 cases. *Pediatr Dev Pathol.* 1(5):388-92. PMID:9688763
723. Everett JN, Raymond VM, Dandapani M, Marvin M, Kohlmann W, Chittenden A, et al. (2014). Screening for germline mismatch repair mutations following diagnosis of sebaceous neoplasm. *JAMA Dermatol.* 150(12):1315-21. PMID:25006859
724. Exner JH, Dahod S, Pochi PE (1983). Pyogenic granuloma-like acne lesions during isotretinoin therapy. *Arch Dermatol.* 119(10):808-11. PMID:6225396
725. Fabrizi G, Pagliarello C, Parente P, Massi G (2007). Atypical nevi of the scalp in adolescents. *J Cutan Pathol.* 34(5):365-9. PMID:17448189
726. Fabrizi G, Pennacchia I, Pagliarello C, Massi G (2008). Sclerosing nevus with pseudomelanomatous features. *J Cutan Pathol.* 35(11):995-1002. PMID:18537860
727. Facchetti F, Pileri SA, Agostinelli C, Martelli MP, Paulli M, Venditti A, et al. (2009). Cytoplasmic nucleophosmin is not detected in blastic plasmacytoid dendritic cell neoplasm. *Haematologica.* 94(2):285-8. PMID:19066330
728. Facchetti F, Pileri SA, Lorenzi L, Tabanelli V, Rimsza L, Pittaluga S, et al. (2017). Histiocytic and dendritic cell neoplasms: what have we learnt by studying 67 cases. *Virchows Arch.* 471(4):467-89. PMID:28695297
729. Falchi M, Bataille V, Hayward NK, Duffy DL, Bishop JA, Pastinen T, et al. (2009). Genome-wide association study identifies variants at 9p21 and 22q13 associated with development of cutaneous nevi. *Nat Genet.* 41(8):915-9. PMID:19578365
730. Falini B, Lenze D, Hasserjian R, Coupland S, Jaehne D, Soupir C, et al. (2007). Cytoplasmic mutated nucleophosmin (NPM) defines the molecular status of a significant fraction of myeloid sarcomas. *Leukemia.* 21(7):1566-70. PMID:17443224
731. Fan Y, Lee S, Wu G, Easton J, Yergeau D, Dummer R, et al. (2016). Telomerase expression by aberrant methylation of the TERT promoter in melanoma arising in giant congenital nevi. *J Invest Dermatol.* 136(1):339-42. PMID:26763461
732. Fan YS, Carr RA, Sanders DS, Smith AP, Lazar AJ, Calonje E (2007). Characteristic Ber-EP4 and EMA expression in sebaceoma is immunohistochemically distinct from basal cell carcinoma. *Histopathology.* 51(1):80-6. PMID:17593083
733. Fanburg JC, Meis-Kindblom JM, Rosenberg AE (1995). Multiple enchondromas associated with spindle-cell hemangioid endotheliomas. An overlooked variant of Maffucci's syndrome. *Am J Surg Pathol.* 19(9):1029-38. PMID:7661276
734. Fanburg-Smith JC, Devaney KO, Miettinen M, Weiss SW (1998). Multiple spindle cell lipomas: a report of 7 familial and 11 non-familial cases. *Am J Surg Pathol.* 22(1):40-8. PMID:9422314
735. Fanburg-Smith JC, Meis-Kindblom JM, Fante R, Kindblom LG (1998). Malignant granular cell tumor of soft tissue: diagnostic criteria and clinicopathologic correlation. *Am J Surg Pathol.* 22(7):779-94. PMID:9669341
736. Fanburg-Smith JC, Spiro IJ, Katapuram SV, Mankin HJ, Rosenberg AE (1999). Infiltrative subcutaneous malignant fibrous histiocytoma: a comparative study with deep malignant fibrous histiocytoma and an observation of biologic behavior. *Ann Diagn Pathol.* 3(1):1-10. PMID:9990107
737. Fang J, Dagenais SL, Erickson RP, Arlt MF, Glynn MW, Gorski JL, et al. (2000). Mutations in FOXC2 (MFH-1), a forkhead family transcription factor, are responsible for the hereditary lymphedema-distichiasis syndrome. *Am J Hum Genet.* 67(6):1382-8. PMID:11078474
738. Fargnoli MC, Suppa M, Micantonio T, Antonini A, Tambone S, Peris K (2014). Dermoscopic features and follow-up changes of acral melanocytic naevi in childhood and adolescence. *Br J Dermatol.* 170(2):374-81. PMID:24125566
739. Fariña MC, Piqué E, Olivares M, Escalona P, Martín L, Requena L, et al. (1995). Multiple hidrocystoma of the face: three cases. *Clin Exp Dermatol.* 20(4):323-7. PMID:8548991
740. Farrahi F, Egbert BM, Swetter SM (2005). Histologic similarities between lentigo maligna and dysplastic nevus: importance of clinicopathologic distinction. *J Cutan Pathol.* 32(6):405-12. PMID:15953373
741. Fava P, Stroppiana E, Savoia P, Bernengo MG (2010). Halo nevi related to treatment with imatinib in a dermatofibrosarcoma protuberans patient. *J Eur Acad Dermatol Venereol.* 24(2):244-5. PMID:19694892
742. Fedele M, Battista S, Manfoletti G, Croce CM, Giancotti V, Fusco A (2001). Role of the high mobility group A proteins in human lipomas. *Carcinogenesis.* 22(10):1583-91. PMID:11576996
743. Federico M, Rudiger T, Bellei M, Nathwani BN, Luminari S, Coiffier B, et al. (2013). Clinicopathologic characteristics of angioimmunoblastic T-cell lymphoma: analysis of the international peripheral T-cell lymphoma project. *J Clin Oncol.* 31(2):240-6. PMID:22869878
744. Feibleman CE, Stoll H, Maize JC (1980). Melanomas of the palm, sole, and nailbed: a clinicopathologic study. *Cancer.* 46(11):2492-504. PMID:7438021
745. Feldman AL (2013). Clonal relationships between malignant lymphomas and histiocytic/dendritic cell tumors. *Surg Pathol Clin.* 6(4):619-29. PMID:26839189
746. Feldman AL, Berthold F, Arcenci RJ, Abramowsky C, Shehata BM, Mann KP, et al. (2005). Clonal relationship between precursor T-lymphoblastic leukaemia/lymphoma and Langerhans-cell histiocytosis. *Lancet Oncol.* 6(6):435-7. PMID:15925822
747. Feng CJ, Ma H, Liao WC (2015). Superficial or cutaneous malignant peripheral nerve sheath tumor-clinical experience at Taipei Veterans General Hospital. *Ann Plast Surg.* 74 Suppl 2:S85-8. PMID:25695445
748. Feng S, Jin P, Zeng X (2008). Hydroa vacciniforme-like primary cutaneous CD8-positive T-cell lymphoma. *Eur J Dermatol.* 18(3):364-5. PMID:18474490
749. Ferguson-Smith MA, Goudie DR (2014). Digenic/multilocus aetiology of multiple self-healing squamous epithelioma (Ferguson-Smith disease): TGFBFR1 and a second linked locus. *Int J Biochem Cell Biol.* 53:520-5. PMID:24747516
750. Fernandez AP, Sun Y, Tubbs RR, Goldblum JR, Billings SD (2012). FISH for MYC amplification and anti-MYC immunohistochemistry: useful diagnostic tools in the assessment of secondary angiosarcoma and atypical vascular proliferations. *J Cutan Pathol.* 39(2):234-42. PMID:22121953
751. Fernandez-Figueras MT, Michal M, Kazakov DV (2010). Mammary-type tubulobulbar carcinoma of anogenital mammary-like glands with prominent stromal elastosis. *Am J Surg Pathol.* 34(8):1224-6. PMID:20505503
752. Fernandez-Flores A (2009). Irritated seborrheic keratosis with coarse keratohyalin granules. *Rom J Morphol Embryol.* 50(4):583-7. PMID:19942951
753. Fernandez-Flores A (2012). Eponyms, morphology, and pathogenesis of some less mentioned types of melanocytic nevi. *Am J Dermatopathol.* 34(6):607-18. PMID:22699863
754. Fernandez-Flores A, Cassarino DS (2015). Endocrine mucin-producing sweat gland carcinoma: a study of three cases and CK8, CK18 and CD5/6 immunoreactivity. *J Cutan Pathol.* 42(8):578-86. PMID:25925290
755. Fernandez-Flores A, Cassarino DS (2017). Histopathological diagnosis of acral lentiginous melanoma in early stages. *Ann Diagn Pathol.* 26:64-9. PMID:27601330
756. Fernandez-Flores A, Cassarino DS, Riveiro-Falkenbach E, Rodriguez-Peralta JL, Fernandez-Figueras MT, Monteagudo C (2017). Cutaneous dermal non-neural granular cell tumor is a granular cell dermal root sheath fibroma. *J Cutan Pathol.* 44(6):582-7. PMID:28266050
757. Fernandez-Flores A, Saeb-Lima M (2014). The inflammatory infiltrate of melanocytic nevus. *Rom J Morphol Embryol.* 55(4):1277-85. PMID:25611257
758. Fernández-Guarino M, Boixada P, de las Heras E, Abain S, Garcia-Millán C, Cassarino PJ (2008). Phakomatosis pigmentovascularis: clinical findings in 15 patients and review of the literature. *J Am Acad Dermatol.* 58(1):88-93. PMID:18045734
759. Ferneiny M, Pansé I, Scharz N, Bataille M, Verola O, Morel P, et al. (2012). Disseminated perineal Meyserson phenomenon revealing melanoma. *Ann Dermatol Venerol.* 139(2):137-41. [French] PMID:22525754
760. Ferrara G, Cusano F, Robson A, Sestini CM (2011). Primary cutaneous marginal zone B-cell lymphoma with anetidermal spontaneous involution plus de novo clonal expansion. *J Cutan Pathol.* 38(4):342-5. PMID:22018880
761. Ferreiro JA, Carney JA (1984). Neoplasia of the external ear and their significance. *Am J Surg Pathol.* 18(3):274-80. PMID:6181576
762. Ferrell RE (2002). Research perspectives in inherited lymphatic disease. *Hereditas Y Acad Sci.* 979(1):39-51. discussion 52-53. PMID:12543715
763. Ferrell RE, Levinson KL, Esmarck J, Kimak MA, Lawrence EC, Barnard W, et al. (1998). Hereditary lymphedema: evidence of linkage and genetic heterogeneity. *Hum Mol Genet.* 7(13):2073-8. PMID:9817524
764. Ferreri AJ, Dognini GP, Barry C, Gosses A, Montalbán C, Horvath B, et al. (2008). The addition of rituximab to anthracycline-based chemotherapy significantly improves outcome in 'Western' patients with intravascular large B-cell lymphoma. *Br J Haematol.* 140(2):250-4. PMID:18699850
765. Ferreri AJ, Dognini GP, Campo E, Wenzel R, Seymour JF, Barry C, et al. (2008). Variations in clinical presentation, histology of hemophagocytosis and clinical course of intravascular lymphoma diagnosed in different geographical regions. *Haematologica.* 92(4):486-92. PMID:17488659
766. Ferreri AJ, Dognini GP, Gosses A, Cassarino R, Bouzani M, Bollinger CR, et al. (2008). Can rituximab change the usual poor prognosis of patients with intravascular large B-cell lymphoma? *J Clin Oncol.* 26(21):3594-9. PMID:18838697
767. Ferry JA, Harris NL, Pileri SA, Wenzel DS, Rosales RK, Tapia J, et al. (1988). Intravascular lymphomatosis (malignant angioendotheliomatosis): A B-cell neoplasm involving surface homing receptors. *Mod Pathol.* 1(6):444-52. PMID:3065781
768. Fetsch JF, Laskin WB, Halperin JF, Layton GP, Miettinen M (2007). Neurofibromatosis and immunohistochemical analysis of 15 neurofibromatosis type 1-associated cutaneous tumors with a predilection for the fingers and toes and a high local recurrence rate. *Am J Surg Pathol.* 29(12):1615-24. PMID:18228445
771. Fetsch JF, Laskin WB, Miettinen M (2003). Palmar-plantar fibromatosis in children and preadolescents: a clinicopathologic study of 56 cases with newly recognized histopathologic and extended follow-up information. *Am J Surg Pathol.* 29(8):1095-105. PMID:15228880
772. Fetsch JF, Laskin WB, Tawfik M (2003).



- (1997). Superficial angiomyxoma (cutaneous myxoma): a clinicopathologic study of 17 cases arising in the genital region. *Int J Gynecol Pathol.* 16(4):325–34. PMID:9421071
773. Fetsch JF, Michal M, Miettinen M (2000). Pigmented (melanotic) neurofibroma: a clinicopathologic and immunohistochemical analysis of 19 lesions from 17 patients. *Am J Surg Pathol.* 24(3):331–43. PMID:10716146
774. Fetsch JF, Miettinen M (1997). Sclerosing perineurioma: a clinicopathologic study of 19 cases of a distinctive soft tissue lesion with a predilection for the fingers and palms of young adults. *Am J Surg Pathol.* 21(12):1433–42. PMID:9414186
775. Fetsch JF, Miettinen M (1998). Calcifying aponeurotic fibroma: a clinicopathologic study of 22 cases arising in uncommon sites. *Hum Pathol.* 29(12):1504–10. PMID:9865839
776. Fetsch JF, Weiss SW (1991). Observations concerning the pathogenesis of epithelioid hemangioma (angiolympoid hyperplasia). *Mod Pathol.* 4(4):449–55. PMID:1924276
777. Feuillard J, Jacob MC, Valensi F, Maynadié M, Gressin R, Chaperot L, et al. (2002). Clinical and biologic features of CD4(+) CD56(+) malignancies. *Blood.* 99(5):1556–63. PMID:11861268
778. Fields RC, Busam KJ, Chou JF, Panageas KS, Pulitzer MP, Allen PJ, et al. (2011). Five hundred patients with Merkel cell carcinoma evaluated at a single institution. *Ann Surg.* 254(3):465–75. PMID:21865945
779. Fierro MT, Comessatti A, Quagliano P, Ortoncelli M, Osella Abate S, Ponti R, et al. (2006). Expression pattern of chemokine receptors and chemokine release in inflammatory erythroderma and Sézary syndrome. *Dermatology.* 213(4):284–92. PMID:17135733
780. Fink-Puches R, Chott A, Ardigó M, Simonitsch I, Ferrara G, Kerl H, et al. (2004). The spectrum of cutaneous lymphomas in patients less than 20 years of age. *Pediatr Dermatol.* 21(5):525–33. PMID:15461755
781. Finley AG, Musso LA (1972). Naevus lipomatosus cutaneus superficialis (Hoffman-Zurhelle). *Br J Dermatol.* 87(6):557–64. PMID:4648802
782. Fisher KR, Maize JC Jr, Maize JC Sr (2013). Histologic features of scalp melanocytic nevi. *J Am Acad Dermatol.* 68(3):466–72. PMID:23267721
783. Fitzgerald TL, Dennis S, Kachare SD, Vohra NA, Wong JH, Zervos EE (2015). Dramatic increase in the incidence and mortality from Merkel cell carcinoma in the United States. *Am Surg.* 81(8):802–6. PMID:26215243
784. Flanagan BP, Helwig EB (1977). Cutaneous lymphangioma. *Arch Dermatol.* 113(1):24–30. PMID:831620
785. Flann S, Orchard GE, Wain EM, Russell-Jones R (2006). Three cases of lymphomatoid papulosis with a CD56+ immunophenotype. *J Am Acad Dermatol.* 55(5):903–6. PMID:17052504
786. Fletcher CD (1989). Solitary circumscribed neuroma of the skin (so-called palisaded, encapsulated neuroma). A clinicopathologic and immunohistochemical study. *Am J Surg Pathol.* 13(7):574–80. PMID:2660609
787. Fletcher CD, Akerman M, Dal Cin P, de Wever I, Mandahl N, Mertens F, et al. (1996). Correlation between clinicopathologic features and karyotype in lipomatous tumors. A report of 178 cases from the Chromosomes and Morphology (CHAMP) Collaborative Study Group. *Am J Pathol.* 148(2):623–30. PMID:8579124
788. Fletcher CD, Beham A, Bekir S, Clarke AM, Marley NJ (1991). Epithelioid angiosarcoma of deep soft tissue: a distinctive tumor readily mistaken for an epithelial neoplasm. *Am J Surg Pathol.* 15(10):915–24. PMID:1718176
789. Fletcher CD, Beham A, Schmid C (1991). Spindle cell haemangioidendothelioma: a clinicopathologic and immunohistochemical study indicative of a non-neoplastic lesion. *Histopathology.* 18(4):291–301. PMID:2071088
790. Fletcher CD, Davies SE, McKee PH (1987). Cellular schwannoma: a distinct pseudosarcomatous entity. *Histopathology.* 11(1):21–35. PMID:3557324
791. Fletcher CD, Martin-Bates E (1987). Spindle cell lipoma: a clinicopathologic study with some original observations. *Histopathology.* 11(8):803–17. PMID:3623439
792. Fletcher CDM, Bridge JA, Hogendorn PCW, Mertens F, editors (2013). *WHO classification of tumours of soft tissue and bone.* 4th ed. Lyon: International Agency for Research on Cancer.
793. Flieder A, Koerner FC, Pilch BZ, Maluf HM (1997). Endocrine mucin-producing sweat gland carcinoma: a cutaneous neoplasm analogous to solid papillary carcinoma of breast. *Am J Surg Pathol.* 21(12):1501–6. PMID:9414195
794. Florez-Vargas A, Vargas SO, Debelenko LV, Perez-Atayde AR, Archibald T, Kozakewich HP, et al. (2008). Comparative analysis of D2-40 and LYVE-1 immunostaining in lymphatic malformations. *Lymphology.* 41(3):103–10. PMID:19013877
795. Flucke U, Palmedo G, Blankenhorn N, Slootweg PJ, Kutzner H, Mentzel T (2011). EWRS1 gene rearrangement occurs in a subset of cutaneous myoepithelial tumors: a study of 18 cases. *Mod Pathol.* 24(11):1444–50. PMID:21725291
796. Flucke U, van Krieken JH, Mentzel T (2011). Cellular angiofibroma: analysis of 25 cases emphasizing its relationship to spindle cell lipoma and mammary-type myofibroblastoma. *Mod Pathol.* 24(1):82–9. PMID:20852591
797. Flucke U, Vogels RJ, de Saint Aubain Somerhausen N, Creytens DH, Riedl RG, van Gorp JM, et al. (2014). Epithelioid hemangioidendothelioma: clinicopathologic, immunohistochemical, and molecular genetic analysis of 39 cases. *Diagn Pathol.* 9(1):131. PMID:24986479
798. Flux K (2017). Sebaceous neoplasms. *Surg Pathol Clin.* 10(2):367–82. PMID:28477886
799. Flux K, Brenn T (2017). Cutaneous sweat gland carcinomas with basaloid differentiation: an update with emphasis on differential diagnoses. *Clin Lab Med.* 37(3):587–601. PMID:28802502
800. Flux K, Kutzner H, Rütten A, Plaza JA, Gasparov S, Michal M, et al. (2016). Infundibulocystic structures and prominent squamous metaplasia in sebaceoma: a rare feature. A clinicopathologic study of 10 cases. *Am J Dermatopathol.* 38(9):678–82. PMID:26760686
801. Fogel AL, Sarin KY, Teng JMC (2017). Genetic diseases associated with an increased risk of skin cancer development in childhood. *Curr Opin Pediatr.* 29(4):426–33. PMID:28525403
802. Folberg R, Hendrix MJ, Maniotis AJ (2000). Vasculogenic mimicry and tumor angiogenesis. *Am J Pathol.* 156(2):361–81. PMID:10666364
803. Folberg R, Jakobiak FA, Bernardino VB, Iwamoto T (1989). Benign conjunctival melanocytic lesions. *Clinicopathologic features.* *Ophthalmology.* 96(4):436–61. PMID:2657539
804. Folberg R, McLean IW, Zimmerman LE (1985). Primary acquired melanosis of the conjunctiva. *Hum Pathol.* 16(2):129–35. PMID:3972395
805. Folpe AL, Billings SD, McKenney JK, Walsh SV, Nusrat A, Weiss SW (2002). Expression of claudin-1, a recently described tight junction-associated protein, distinguishes soft tissue perineurioma from potential mimics. *Am J Surg Pathol.* 26(12):1620–6. PMID:12459629
806. Folpe AL, Chand EM, Goldblum JR, Weiss SW (2001). Expression of FLI-1, a nuclear transcription factor, distinguishes vascular neoplasms from potential mimics. *Am J Surg Pathol.* 25(8):1061–6. PMID:11474291
807. Folpe AL, Fanburg-Smith JC, Miettinen M, Weiss SW (2001). Atypical and malignant glomus tumors: analysis of 52 cases, with a proposal for the reclassification of glomus tumors. *Am J Surg Pathol.* 25(1):1–12. PMID:11145243
808. Folpe AL, Goldblum JR, Rubin BP, Shehata BM, Liu W, Dei Tos AP, et al. (2005). Morphologic and immunophenotypic diversity in Ewing family tumors: a study of 66 genetically confirmed cases. *Am J Surg Pathol.* 29(8):1025–33. PMID:16006796
809. Folpe AL, Hill CE, Parham DM, O'Shea PA, Weiss SW (2000). Immunohistochemical detection of FLI-1 protein expression: a study of 132 round cell tumors with emphasis on CD99-positive mimics of Ewing's sarcoma/primitive neuroectodermal tumor. *Am J Surg Pathol.* 24(12):1657–62. PMID:11117787
810. Font RL, Stone MS, Schanz MC, Lewis RA (1986). Apocrine hidrocystomas of the lids, hypodontia, palmar-plantar hyperkeratosis, and onychodystrophy. A new variant of ectodermal dysplasia. *Arch Ophthalmol.* 104(12):1811–3. PMID:2947556
811. Forlino A, Vetro A, Garavelli L, Ciccone R, London E, Stratakis CA, et al. (2014). PRKACB and Carney complex. *N Engl J Med.* 370(11):1065–7. PMID:24571725
812. Forman SB, Tyler WB, Ferringer TC, Elston DM (2007). Glomeruloid hemangiomas without POEMS syndrome: series of three cases. *J Cutan Pathol.* 34(12):956–7. PMID:18001423
813. Formicone F, Fargnoli MC, Pisani F, Rascente M, Famulari A, Peris K (2005). Cutaneous manifestations in Italian kidney transplant recipients. *Transplant Proc.* 37(6):2527–8. PMID:16182734
814. Foss HD, Herbst H, Araujo I, Hummel M, Berg E, Schmitt-Gräff A, et al. (1996). Monokine expression in Langerhans' cell histiocytosis and sinus histiocytosis with massive lymphadenopathy (Rosai-Dorfman disease). *J Pathol.* 179(1):60–5. PMID:8691347
815. Foster R, Byrnes E, Meldrum C, Griffith R, Ross G, Upjohn E, et al. (2008). Association of paediatric mastocytosis with a polymorphism resulting in an amino acid substitution (M541L) in the transmembrane domain of c-KIT. *Br J Dermatol.* 159(5):1160–9. PMID:18795925
816. Fouilloux B, Perrin C, Dutoit M, Cambazard F (2001). Clear cell syringofibroadenoma (of Mascaró) of the nail. *Br J Dermatol.* 144(3):625–7. PMID:11260030
817. Fox JC, Reed JA, Shea CR (2011). The recurrent nevus phenomenon: a history of challenge, controversy, and discovery. *Arch Pathol Lab Med.* 135(7):842–6. PMID:21732772
818. Fox MD, Gleason BC, Thomas AB, Victor TA, Cibull TL (2010). Extra-acral cutaneous/soft tissue sclerosing perineurioma: an under-recognized entity in the differential of CD34-positive cutaneous neoplasms. *J Cutan Pathol.* 37(10):1053–6. PMID:20412342
819. Fraga GR, Amin SM (2014). Large cell acanthoma: a variant of solar lentigo with cellular hypertrichy. *J Cutan Pathol.* 41(9):733–9. PMID:24917472
820. Franceschini D, Dinulos JG (2015). Dermal melanocytosis and associated disorders. *Curr Opin Pediatr.* 27(4):480–5. PMID:26087431
821. Franke FE, Steger K, Marks A, Kutzner H, Mentzel T (2004). Hobnail hemangiomas (targetoid hemosiderotic hemangiomas) are true lymphangiomas. *J Cutan Pathol.* 31(5):362–7. PMID:15059220
822. Frater JL, Maddox JS, Obadiah JM, Hurley MY (2006). Cutaneous Rosai-Dorfman disease: comprehensive review of cases reported in the medical literature since 1990 and presentation of an illustrative case. *J Cutan Med Surg.* 10(6):281–90. PMID:17241598
823. French CA, Mentzel T, Kutzner H, Fletcher CD (2000). Intradermal spindle cell/pleomorphic lipoma: a distinct subset. *Am J Dermatopathol.* 22(6):496–502. PMID:11190440
824. Freyer DR, Kennedy R, Bostrom BC, Kohut G, Dehner LP (1996). Juvenile xanthogranuloma: forms of systemic disease and their clinical implications. *J Pediatr.* 129(2):227–37. PMID:8765620
825. Friedman JM (1999). Epidemiology of neurofibromatosis type 1. *Am J Med Genet.* 89(1):1–6. PMID:10469430
826. Friedman PM, Friedman RH, Jiang SB, Nouri K, Amonette R, Robins P (1999). Microcystic adnexal carcinoma: collaborative series review and update. *J Am Acad Dermatol.* 41(2 Pt 1):225–31. PMID:10426893
- 826A. Fritz A, Percy C, Jack A, Shanmugaratnam K, Sobin L, Parkin DM, et al., editors (2013). *International classification of diseases for oncology (ICD-O).* 3rd ed. 1st revision. Geneva: World Health Organization.
827. Frost C, Williams G, Green A (2000). High incidence and regression rates of solar keratoses in a Queensland community. *J Invest Dermatol.* 115(2):273–7. PMID:10951246
828. Frost MW, Steiniche T, Damsgaard TE, Stolle LB (2014). Primary cutaneous myoepithelial carcinoma: a case report and review of the literature. *APMIS.* 122(5):369–79. PMID:23992447
829. Frouin E, Vignon-Pennamen MD, Balme B, Cavalier-Balloy B, Zimmermann U, Ortonne N, et al. (2015). Anatomoclinical study of 30 cases of sclerosing sweat duct carcinomas (microcystic adnexal carcinoma, syringomatous carcinoma and squamous eccrine ductal carcinoma). *J Eur Acad Dermatol Venereol.* 29(10):1978–94. PMID:25873411
830. Fryssira H, Leventopoulos G, Psoni S, Kitsiou-Tzeli S, Stavrianeas N, Kanavakis E (2008). Tumor development in three patients with Noonan syndrome. *Eur J Pediatr.* 167(9):1025–31. PMID:18057963
831. Fu JM, McCalmont T, Yu SS (2009). Adenosquamous carcinoma of the skin: a case series. *Arch Dermatol.* 145(10):1152–8. PMID:19841403
832. Fu L, Lau S, Roy I, Ferenczy A (2011). Phyllodes tumor with malignant stromal morphology of the vulva: a case report and review of the literature. *Int J Gynecol Pathol.* 30(2):198–202. PMID:21293278
833. Fu W, Cockerell CJ (2003). The actinic (solar) keratosis: a 21st-century perspective. *Arch Dermatol.* 139(1):66–70. PMID:12533168
834. Fujiwara M, Morales AV, Seo K, Kim YH, Arber DA, Sundram UN (2013). Clonal identity and differences in primary cutaneous B-cell lymphoma occurring at different sites or time points in the same patient. *Am J Dermatopathol.* 35(1):11–8. PMID:22588547
835. Fujiwara M, Taube J, Sharma M, McCalmont TH, Kim J (2010). PAX8 discriminates ovarian metastases from adnexal tumors and other cutaneous metastases. *J Cutan Pathol.* 37(9):938–43. PMID:20492080
836. Fukunaga M, Suzuki K, Saegusa N, Folpe AL (2007). Composite hemangioidendothelioma: report of 5 cases including one with associated Maffucci syndrome. *Am J Surg Pathol.* 31(10):1567–72. PMID:17895759
837. Fullen DR, Lowe L, Su LD (2003). Antibody to S100a6 protein is a sensitive immunohistochemical marker for neurothekeoma. *J Cutan Pathol.* 30(2):118–22. PMID:12641790
838. Furney SJ, Turajlic S, Stamp G, Nohadani



- M, Carlisle A, Thomas JM, et al. (2013). Genome sequencing of mucosal melanomas reveals that they are driven by distinct mechanisms from cutaneous melanoma. *J Pathol*. 230(3):261–9. PMID:23620124
839. Furney SJ, Turajlic S, Stamp G, Thomas JM, Hayes A, Strauss D, et al. (2014). The mutational burden of acral melanoma revealed by whole-genome sequencing and comparative analysis. *Pigment Cell Melanoma Res*. 27(5):835–8. PMID:24913711
840. Fusco N, Bonometti A, Augello C, Fabris S, Boiocchi L, Fiori S, et al. (2017). Clonal reticulohistiocytosis of the skin and bone marrow associated with systemic mastocytosis and acute myeloid leukaemia. *Histopathology*. 70(6):1000–8. PMID:28074480
841. Gabillot-Carré M, Weill F, Mamelle G, Kolb F, Boitier F, Petrow P, et al. (2006). Microcystic adnexal carcinoma: report of seven cases including one with lung metastasis. *Dermatology*. 212(3):221–8. PMID:16549917
842. Gallager RL, Helwig EB (1980). Neurothekeoma—a benign cutaneous tumor of neural origin. *Am J Clin Pathol*. 74(6):759–64. PMID:7446487
843. Gallardo F, Bellosillo B, Espinet B, Pujol RM, Estrach T, Servitje O, et al. (2006). Aberrant nuclear BCL10 expression and lack of t(11;18)(q21;q21) in primary cutaneous marginal zone B-cell lymphoma. *Hum Pathol*. 37(7):867–73. PMID:16784987
844. Galyfos G, Karantzikos GA, Kavouras N, Sianou A, Palogos K, Filis K (2016). Extrasosseous Ewing sarcoma: diagnosis, prognosis and optimal management. *Indian J Surg*. 78(1):49–53. PMID:27186040
845. Gandini S, Sera F, Cattaruzza MS, Pasquini P, Abeni D, Boyle P, et al. (2005). Meta-analysis of risk factors for cutaneous melanoma: I. Common and atypical naevi. *Eur J Cancer*. 41(1):28–44. PMID:15617989
846. Gandini S, Sera F, Cattaruzza MS, Pasquini P, Zanetti R, Masini C, et al. (2005). Meta-analysis of risk factors for cutaneous melanoma: III. Family history, actinic damage and phenotypic factors. *Eur J Cancer*. 41(14):2040–59. PMID:16125929
847. Garces S, Medeiros LJ, Patel KP, Li S, Pina-Oviedo S, Li J, et al. (2017). Mutually exclusive recurrent KRAS and MAP2K1 mutations in Rosai-Dorfman disease. *Mod Pathol*. 30(10):1367–77. PMID:28664935
848. Garcia C, Crowson AN (2011). Acantholytic squamous cell carcinoma: is it really a more-aggressive tumor? *Dermatol Surg*. 37(3):353–6. PMID:21410819
849. Garcia-Herrera A, Colomo L, Camós M, Carreras J, Balague O, Martínez A, et al. (2008). Primary cutaneous small/medium CD4+ T-cell lymphomas: a heterogeneous group of tumors with different clinicopathologic features and outcome. *J Clin Oncol*. 26(20):3364–71. PMID:18541895
850. Garcia-Herrera A, Song JY, Chuang SS, Villamor N, Colomo L, Pittaluga S, et al. (2011). Nonhepatosplenic  $\gamma\delta$  T-cell lymphomas represent a spectrum of aggressive cytotoxic T-cell lymphomas with a mainly extranodal presentation. *Am J Surg Pathol*. 35(8):1214–25. PMID:21753698
851. Gardie B, Remenieras A, Kattygnarath D, Bombled J, Lefèvre S, Perrier-Trudova V, et al. (2011). Novel FH mutations in families with hereditary leiomyomatosis and renal cell cancer (HLRCC) and patients with isolated type 2 papillary renal cell carcinoma. *J Med Genet*. 48(4):226–34. PMID:21398687
852. Gardner EW, Miller HM, Lowmyer ED (1979). Folded skin associated with underlying nevus lipomatosus. *Arch Dermatol*. 115(8):978–9. PMID:464627
853. Gardner JM, Dandekar M, Thomas D, Goldblum JR, Weiss SW, Billings SD, et al. (2012). Cutaneous and subcutaneous pleomorphic liposarcoma: a clinicopathologic study of 29 cases with evaluation of MDM2 gene amplification in 26. *Am J Surg Pathol*. 36(7):1047–51. PMID:22472959
854. Garib G, Siegal GP, Andea AA (2015). Autosomal-dominant familial angiolipomatosis. *Cutis*. 95(1):E26–9. PMID:25671454
855. Garnache-Ottou F, Feuillard J, Saas P (2007). Plasmacytoid dendritic cell leukaemia/lymphoma: towards a well defined entity? *Br J Haematol*. 136(4):539–48. PMID:17367408
856. Garré ML, Cama A, Bagnasco F, Morana G, Giangaspero F, Brisigotti M, et al. (2009). Medulloblastoma variants: age-dependent occurrence and relation to Gorlin syndrome—a new clinical perspective. *Clin Cancer Res*. 15(7):2463–71. PMID:19276247
857. Garrett AB, Azmi FH, Ogburia KS (2004). Trichilemmal carcinoma: a rare cutaneous malignancy: a report of two cases. *Dermatol Surg*. 30(1):113–5. PMID:14692940
858. Garriga MM, Friedman MM, Metcalfe DD (1988). A survey of the number and distribution of mast cells in the skin of patients with mast cell disorders. *J Allergy Clin Immunol*. 82(3 Pt 1):425–32. PMID:3170991
859. Gaspar N, Hawkins DS, Dirksen U, Lewis IJ, Ferrari S, Le Deley MC, et al. (2015). Ewing sarcoma: current management and future approaches through collaboration. *J Clin Oncol*. 33(27):3036–46. PMID:26304893
860. Gasparini P, Facchinetti F, Boeri M, Lorenzetto E, Livio A, Gronchi A, et al. (2011). Prognostic determinants in epithelioid sarcoma. *Eur J Cancer*. 47(2):287–95. PMID:20932739
861. Gatta G, van der Zwan JM, Casali PG, Siesling S, Dei Tos AP, Kunkler I, et al. (2011). Rare cancers are not so rare: the rare cancer burden in Europe. *Eur J Cancer*. 47(17):2493–511. PMID:22033323
862. Gaulard P, Bourquelot P, Kanavarsos P, Haioun C, Le Couedic JP, Divine M, et al. (1990). Expression of the alpha/beta and gamma/delta T-cell receptors in 57 cases of peripheral T-cell lymphomas. Identification of a subset of gamma/delta T-cell lymphomas. *Am J Pathol*. 137(3):617–28. PMID:1698028
863. Gauthier Y, Surlève-Bazeille JE, Texier L (1978). Halo nevi without dermal infiltrate. *Arch Dermatol*. 114(11):1718. PMID:1718234
864. Gebhard S, Coindre JM, Michels JJ, Terrier P, Bertrand G, Trassard M, et al. (2002). Pleomorphic liposarcoma: clinicopathologic, immunohistochemical, and follow-up analysis of 63 cases: a study from the French Federation of Cancer Centers Sarcoma Group. *Am J Surg Pathol*. 26(5):601–16. PMID:11979090
865. Gellrich S, Rutz S, Golembowski S, Jacobs C, von Zimmermann M, Lorenz P, et al. (2001). Primary cutaneous follicle center cell lymphomas and large B cell lymphomas of the leg descend from germinal center cells. A single cell polymerase chain reaction analysis. *J Invest Dermatol*. 117(6):1512–20. PMID:11886516
866. Gerner O, Piura B, Segal S, Inbar IY (2003). Adenocarcinoma arising in a chondroid syringoma of vulva. *Int J Gynecol Pathol*. 22(4):398–400. PMID:14501823
867. Cancer Genome Atlas Network (2015). Genomic classification of cutaneous melanoma. *Cell*. 161(7):1681–96. PMID:26091043
868. Georjgin-Lavialle S, Lhermitte L, Dubreuil P, Chandresris MO, Hermine O, Damaj G (2013). Mast cell leukemia. *Blood*. 121(8):1285–95. PMID:23243287
869. Gerami P, Busam K, Cochran A, Cook MG, Duncan LM, Elder DE, et al. (2014). Histomorphologic assessment and interobserver diagnostic reproducibility of atypical spitzoid melanocytic neoplasms with long-term follow-up. *Am J Surg Pathol*. 38(7):934–40. PMID:24618612
870. Gerami P, Cooper C, Bajaj S, Wagner A, Fullen D, Busam K, et al. (2013). Outcomes of atypical Spitz tumors with chromosomal copy number aberrations and conventional melanomas in children. *Am J Surg Pathol*. 37(9):1387–94. PMID:23797719
871. Gerami P, Pouryazdanparast P, Vemula S, Bastian BC (2010). Molecular analysis of a case of nevus of Ota showing progressive evolution to melanoma with intermediate stages resembling cellular blue nevus. *Am J Dermatopathol*. 32(3):301–5. PMID:20110797
872. Gerami P, Scolyer RA, Xu X, Elder DE, Abraham RM, Fullen D, et al. (2013). Risk assessment for atypical spitzoid melanocytic neoplasms using FISH to identify chromosomal copy number aberrations. *Am J Surg Pathol*. 37(5):676–84. PMID:23388126
873. Gerami P, Wickless SC, Querfeld C, Rosen ST, Kuzel TM, Guitart J (2010). Cutaneous involvement with marginal zone lymphoma. *J Am Acad Dermatol*. 63(1):142–5. PMID:20462658
874. Gerami P, Wickless SC, Rosen S, Kuzel TM, Ciurea A, Havey J, et al. (2008). Applying the new TNM classification system for primary cutaneous lymphomas other than mycosis fungoides and Sézary syndrome in primary cutaneous marginal zone lymphoma. *J Am Acad Dermatol*. 59(2):245–54. PMID:18486274
875. Gerami P, Yélamos O, Lee CY, Obregon R, Yazdan P, Sholl LM, et al. (2015). Multiple cutaneous melanomas and clinically atypical moles in a patient with a novel germline BAP1 mutation. *JAMA Dermatol*. 151(11):1235–9. PMID:26154183
876. Gerdsen R, Stockfleth E, Uerlich M, Fartash M, Steen KH, Bieber T (2000). Papular palmoplantar hyperkeratosis following chronic medical exposure to arsenic: human papillomavirus as a co-factor in the pathogenesis of arsenical keratosis? *Acta Derm Venereol*. 80(4):292–3. PMID:11028865
877. Gerner N, Nørregaard JC, Jensen OA, Prause JU (1996). Conjunctival naevi in Denmark 1960–1980. A 21-year follow-up study. *Acta Ophthalmol Scand*. 74(4):334–7. PMID:8883545
878. Gescheidt-Shoshany H, Welfriend S, Bergman R (2015). Nodular melanoma arising in a large segmental speckled lentiginous nevus. *Am J Dermatopathol*. 37(8):663–4. PMID:25072686
879. Ghadimi MP, Liu P, Peng T, Bolshakov S, Young ED, Torres KE, et al. (2011). Pleomorphic liposarcoma: clinical observations and molecular variables. *Cancer*. 117(23):5359–69. PMID:21598240
880. Giger OT, Lacoste E, Honegger C, Padberg B, Moch H, Varga Z (2007). Expression of the breast differentiation antigen NY-BR-1 in a phyllodes tumor of the vulva. *Virchows Arch*. 450(4):471–4. PMID:17318573
881. Gill PS (2007). The origin of Kaposi sarcoma. *J Natl Cancer Inst*. 99(14):1063. PMID:17623793
882. Gill S, Melosky B, Haley L, ChanYan C (2003). Use of random skin biopsy to diagnose intravascular lymphoma presenting as fever of unknown origin. *Am J Med*. 114(1):56–8. PMID:12543290
883. Gillet NA, Cook L, Laydon DJ, Hlela C, Verdonck K, Alvarez C, et al. (2013). Strongyloidiasis and infective dermatitis alter human T lymphotropic virus-1 clonality in vivo. *PLoS Pathog*. 9(4):e1003263. PMID:23592987
884. Gimotty PA, Elder DE, Fraker DL, Botbyl J, Sellers K, Elenitsas R, et al. (2007). Identification of high-risk patients among those diagnosed with thin cutaneous melanomas. *J Clin Oncol*. 25(9):1129–34. PMID:17368575
885. Ginter PS, Mosquera JM, MacDonald JT, D'Alfonso TM, Rubin MA, Shin SJ (2014). Diagnostic utility of MYC amplification and anti-MYC immunohistochemistry in atypical vascular lesions, primary or radiation-induced mammary angiosarcomas, and primary angiosarcomas of other sites. *Hum Pathol*. 45(4):709–16. PMID:24457083
886. Gleason BC, Calder KB, Cibul TL, Thomas AB, Billings SD, Morgan MB, et al. (2009). Utility of p63 in the differential diagnosis of atypical fibroxanthoma and spindle cell squamous cell carcinoma. *J Cutan Pathol*. 36(5):543–7. PMID:19476522
887. Gleason BC, Fletcher CD (2008). Deep "benign" fibrous histiocytoma: clinicopathologic analysis of 69 cases of a rare tumor indicating occasional metastatic potential. *Am J Surg Pathol*. 32(3):354–62. PMID:18300816
888. Gleason BC, Hirsch MS, Nuzzo NF, Schmidt BA, Zembowicz A, Mihm MC Jr, et al. (2008). Atypical genital nevi: A clinicopathologic analysis of 56 cases. *Am J Surg Pathol*. 32(1):51–7. PMID:18162770
889. Gleason BC, Nascimento AF (2008). HMB-45 and Melan-A are useful in the differential diagnosis between granular cell tumor and malignant melanoma. *Am J Dermatopathol*. 29(1):22–7. PMID:17284958
890. Glick JB, Alapati U, Kitchener H (2016). Pilomatrix carcinoma mimicking pigmented basal cell carcinoma. *Skinmed*. 14(6):475–7. PMID:28031142
891. Gliberman H, Burstein S, Grabiner I, Winchester P, Frankel S (1991). A cutaneous ulcinostoma histiocytosis in a child presenting with short stature. *Am J Pediatr Hematol Oncol*. 13(1):42–6. PMID:1903027
892. Gloor P, Ansari I, Sinaid J (1998). Sebaceous carcinoma presenting as a unilateral papillary conjunctivitis. *Am J Ophthalmol*. 127(4):458–9. PMID:10218701
893. Glusac EJ, Barr RJ, Everett WA, Phipps Santa Cruz DJ (1994). Epithelioid melanocytoma. A report of 10 cases including a nodular variant. *Am J Surg Pathol*. 18(5):501–9. PMID:7909998
894. Glusac EJ, McNiff JM (1998). Epithelioid cell histiocytoma: a simulant of vascular and melanocytic neoplasms. *Am J Dermatopathol*. 21(1):1–7. PMID:10027517
895. Goecke T, Schulmann K, Engel C, Winkski-Feder E, Pagenstecher C, Schaefer M, et al. (2006). Genotype-phenotype correlation of German MLH1 and MSH2 mutation carriers clinically affected with Lynch syndrome. *Cancer*. 98(2):4285–92. PMID:16988855
896. Goette DK (1980). Benign keratotic keratosis. *Arch Dermatol*. 116(7):794–6. PMID:7396541
897. Goette DK (1986). Calcifying neurofibroma. *J Dermatol Surg Oncol*. 12(9):659–61. PMID:3745622
898. Goette DK, Odum RB, Fowler JE Jr (1982). Diffuse cutaneous reticulohistiocytosis. *Arch Dermatol*. 118(3):173–8. PMID:688897
899. Gogia A, Sharma MC, Bhatnagar S, et al. (2014). Subcutaneous nodules as initial presentation of Burkitt lymphoma in HIV-negative child. *J Pediatr Hematol Oncol*. 35(6):429–31. PMID:23426001
900. Goh G, Walradt T, Martens K, Sauer R, Riaz N, Doumani R, et al. (2016). Molecular landscape of MCPyV-positive and MCPyV-negative Merkel cell carcinomas with implications for immunotherapy. *Oncotarget*. 7(3):340–50. PMID:26655088
901. Goh SG, Deynt JF, Calne E, et al. (2007).



- Sarcomatoid eccrine porocarcinoma: report of two cases and a review of the literature. *J Cutan Pathol.* 34(1):55–60. PMID:17214856
902. Gokalp H, Gurer MA, Alan S (2013). Trichofolliculoma: a rare variant of hair follicle hamartoma. *Dermatol Online J.* 19(8):19264. PMID:24021443
903. Goldblum JR, Beals TF, Weiss SW (1994). Neuroblastoma-like neurilemma. *Am J Surg Pathol.* 18(3):266–73. PMID:8116794
904. Goldblum JR, Weiss SW, Folpe AL (2013). *Enzinger and Weiss's soft tissue tumors.* 6th ed. Philadelphia: WB Saunders.
905. Goldenberg-Cohen N, Cohen Y, Rosenbaum E, Herscovici Z, Chowen I, Weinberger D, et al. (2005). T1799A BRAF mutations in conjunctival melanocytic lesions. *Invest Ophthalmol Vis Sci.* 46(9):3027–30. PMID:16123397
906. Goldgeier MH, Nordlund JJ, Lucky AW, Sibrack LA, McCarthy MJ, McGuire J (1982). Hydroa vacciniforme: diagnosis and therapy. *Arch Dermatol.* 118(8):588–91. PMID:7103528
907. Goldstein AM, Chan M, Harland M, Hayward NK, Demenais F, Bishop DT, et al. (2007). Features associated with germline CDKN2A mutations: a GenoMEL study of melanoma-prone families from three continents. *J Med Genet.* 44(2):99–106. PMID:16905682
908. Goldstein AM, Tucker MA (2013). Dysplastic nevi and melanoma. *Cancer Epidemiol Biomarkers Prev.* 22(4):528–32. PMID:23549396
909. Goldstein DJ, Barr RJ, Santa Cruz DJ (1982). Microcystic adnexal carcinoma: a distinct clinicopathologic entity. *Cancer.* 50(3):566–72. PMID:7093897
910. Golling P, Cozzio A, Dummer R, French L, Kempf W (2008). Primary cutaneous B-cell lymphomas - clinicopathological, prognostic and therapeutic characterisation of 54 cases according to the WHO-EORTC classification and the ISCL/EORTC TNM classification system for primary cutaneous lymphomas other than mycosis fungoides and Sezary syndrome. *Leuk Lymphoma.* 49(6):1094–103. PMID:18569636
911. Gonzalez CL, Medeiros LJ, Brazier RM, Jaffe ES (1991). T-cell lymphoma involving subcutaneous tissue. A clinicopathologic entity commonly associated with hemophagocytic syndrome. *Am J Surg Pathol.* 15(1):17–27. PMID:1985499
912. González-Guerra E, Haro MR, Fariña MC, Martín L, Manzarbeitia L, Requena L (2009). Glomeruloid haemangioma is not always associated with POEMS syndrome. *Clin Exp Dermatol.* 34(7):800–3. PMID:19077091
913. González-Vela MC, Val-Bernal JF, González-López MA, Drake M, Fernández-Llaca JH (2006). Pure sclerotic neurofibroma: a neurofibroma mimicking sclerotic fibroma. *J Cutan Pathol.* 33(1):47–50. PMID:16441412
914. Goodlad JR (2001). Spindle-cell B-cell lymphoma presenting in the skin. *Br J Dermatol.* 145(2):313–7. PMID:11531800
915. Goodlad JR, Davidson MM, Hollowood K, Ling C, MacKenzie C, Christie I, et al. (2000). Primary cutaneous B-cell lymphoma and *Borrelia burgdorferi* infection in patients from the Highlands of Scotland. *Am J Surg Pathol.* 24(9):1279–85. PMID:10976703
916. Goodlad JR, Krajewski AS, Batstone PJ, McKay P, White JM, Benton EC, et al. (2002). Primary cutaneous follicular lymphoma: a clinicopathologic and molecular study of 16 cases in support of a distinct entity. *Am J Surg Pathol.* 26(6):733–41. PMID:12023577
917. Goodlad JR, Krajewski AS, Batstone PJ, McKay P, White JM, Benton EC, et al. (2003). Primary cutaneous diffuse large B-cell lymphoma: prognostic significance of clinicopathological subtypes. *Am J Surg Pathol.* 27(12):1538–45. PMID:14657713
918. Gordon DK, Ponder EN, Berrey BH, Kubik MJ, Sindone J (2014). Verrucous carcinoma of the foot, not your typical plantar wart: a case study. *Foot (Edinb).* 24(2):94–8. PMID:24810296
919. Goto K (2015). Immunohistochemistry for CD117 (KIT) is effective in distinguishing cutaneous adnexal tumors with apocrine/eccrine or sebaceous differentiation from other epithelial tumors of the skin. *J Cutan Pathol.* 42(7):480–8. PMID:25864700
920. Gottfarstein-Marvani A, Michenet P, Kerdran R, Estève E (2002). Benign vascular proliferations in previously irradiated skin. *Am J Surg Pathol.* 26(10):1372–3. PMID:12360056
921. Goyal A, Moore JB, Gimbel D, Carter JB, Kroschinsky D, Ferry JA, et al. (2015). PD-1, S-100 and CD1a expression in pseudolymphomatous folliculitis, primary cutaneous marginal zone B-cell lymphoma (MALT lymphoma) and cutaneous lymphoid hyperplasia. *J Cutan Pathol.* 42(1):6–15. PMID:25384543
922. Graadt van Roggen JF, Hogendoorn PC, Fletcher CD (1999). Myxoid tumours of soft tissue. *Histopathology.* 35(4):291–312. PMID:10564384
923. Grange F, Bekkenk MW, Wechsler J, Meijer CJ, Cerroni L, Bernengo M, et al. (2001). Prognostic factors in primary cutaneous large B-cell lymphomas: a European multicenter study. *J Clin Oncol.* 19(16):3602–10. PMID:11504742
924. Grange F, Beylot-Barry M, Courville P, Maubec E, Bagot M, Vergier B, et al. (2007). Primary cutaneous diffuse large B-cell lymphoma, leg type: clinicopathologic features and prognostic analysis in 60 cases. *Arch Dermatol.* 143(9):1144–50. PMID:17875875
925. Grange F, Joly P, Barbe C, Bagot M, Dalle S, Ingen-Housz-Oro S, et al. (2014). Improvement of survival in patients with primary cutaneous diffuse large B-cell lymphoma, leg type, in France. *JAMA Dermatol.* 150(5):535–41. PMID:24647650
926. Grange F, Petrella T, Beylot-Barry M, Joly P, D'Incan M, Delaunay M, et al. (2004). Bcl-2 protein expression is the strongest independent prognostic factor of survival in primary cutaneous large B-cell lymphomas. *Blood.* 103(10):3662–8. PMID:14726400
927. Granter SR, Badizadegan K, Fletcher CD (1998). Myofibromatosis in adults, glomangiopericytoma, and myopericytoma: a spectrum of tumors showing perivascular myoid differentiation. *Am J Surg Pathol.* 22(5):513–25. PMID:9591720
928. Granter SR, Seeger K, Calonje E, Busam K, McKee PH (2000). Malignant eccrine spiradenoma (spiradenocarcinoma): a clinicopathologic study of 12 cases. *Am J Dermatopathol.* 22(2):97–103. PMID:10770427
929. Grayson W (2011). Recognition of dual or multiple pathology in skin biopsies from patients with HIV/AIDS. *Patholog Res Int.* 2011:398546. PMID:21789262
930. Grayson W, Pantanowitz L (2008). Histological variants of cutaneous Kaposi sarcoma. *Diagn Pathol.* 3:31. PMID:18655700
931. Grayson W, Pantanowitz L (2010). Histological variants of Kaposi sarcoma. In: Pantanowitz L, Stebbing J, Dezube BJ, editors. *Kaposi sarcoma: a model of oncogenesis.* Kerala: Research Signpost; pp. 139–59.
932. Green A, McCredie M, MacKie R, Giles G, Young P, Morton C, et al. (1999). A case-control study of melanomas of the soles and palms (Australia and Scotland). *Cancer Causes Control.* 10(1):21–5. PMID:10334638
933. Greenblatt D, Ally M, Child F, Scarisbrick J, Whittaker S, Morris S, et al. (2013). Indolent CD8(+) lymphoid proliferation of acral sites: a clinicopathologic study of six patients with some atypical features. *J Cutan Pathol.* 40(2):248–58. PMID:23189944
934. Greenwald HS, Friedman EB, Osman I (2012). Superficial spreading and nodular melanoma are distinct biological entities: a challenge to the linear progression model. *Melanoma Res.* 22(1):1–8. PMID:22108608
935. Greisser J, Palmado G, Sander C, Kutzner H, Kazakov DV, Roos M, et al. (2006). Detection of clonal rearrangement of T-cell receptor genes in the diagnosis of primary cutaneous CD30 lymphoproliferative disorders. *J Cutan Pathol.* 33(11):711–5. PMID:17083688
936. Griewank KG, Müller H, Jackett LA, Emberger M, Möller I, van de Nes JA, et al. (2017). SF3B1 and BAP1 mutations in blue nevus-like melanoma. *Mod Pathol.* 30(7):928–39. PMID:28409567
937. Griewank KG, Murali R, Schilling B, Scholz S, Sucker A, Song M, et al. (2013). TERT promoter mutations in ocular melanoma distinguish between conjunctival and uveal tumours. *Br J Cancer.* 109(2):497–501. PMID:23799844
938. Griewank KG, Schilling B, Murali R, Bielefeld N, Schwamborn M, Sucker A, et al. (2014). TERT promoter mutations are frequent in atypical fibroxanthomas and pleomorphic dermal sarcomas. *Mod Pathol.* 27(4):502–8. PMID:24030750
939. Griewank KG, Westekemper H, Murali R, Mach M, Schilling B, Wiesner T, et al. (2013). Conjunctival melanomas harbor BRAF and NRAS mutations and copy number changes similar to cutaneous and mucosal melanomas. *Clin Cancer Res.* 19(12):3143–52. PMID:23633454
940. Griffin JR, Wriston CC, Peters MS, Lehman JS (2013). Decreased expression of intercellular adhesion molecules in acantholytic squamous cell carcinoma compared with invasive well-differentiated squamous cell carcinoma of the skin. *Am J Clin Pathol.* 139(4):442–7. PMID:23525614
941. Groben PA, Harvell JD, White WL (2000). Epithelioid blue nevus: neoplasm sui generis or variation on a theme? *Am J Dermatopathol.* 22(6):473–88. PMID:11190438
942. Groesser L, Peterhof E, Evert M, Landthaler M, Berneburg M, Hafner C (2016). BRAF and RAS mutations in sporadic and secondary pyogenic granuloma. *J Invest Dermatol.* 136(2):481–6. PMID:26802240
943. Grogg KL, Jung S, Erickson LA, McClure RF, Dogan A (2008). Primary cutaneous CD4-positive small/medium-sized pleomorphic T-cell lymphoma: a clonal T-cell lymphoproliferative disorder with indolent behavior. *Mod Pathol.* 21(6):708–15. PMID:18311111
944. Gronchi A, Lo Vullo S, Colombo C, Colini P, Stacchiotti S, Mariani L, et al. (2010). Extremity soft tissue sarcoma in a series of patients treated at a single institution: local control directly impacts survival. *Ann Surg.* 251(3):506–11. PMID:20130465
945. Gronchi A, Miceli R, Shurell E, Eilber FC, Eilber FR, Anaya DA, et al. (2013). Outcome prediction in primary resected retroperitoneal soft tissue sarcoma: histology-specific overall survival and disease-free survival nomograms built on major sarcoma center data sets. *J Clin Oncol.* 31(13):1649–55. PMID:23530096
946. Gross RE, Wolbach SB (1943). Sclerosing hemangiomas: their relationship to dermatofibroma, histiocytoma, xanthoma and to certain pigmented lesions of the skin. *Am J Pathol.* 19(4):533–51. PMID:19970708
947. Grosshans E, Vetter JM, Capesius MC (1975). Malignant eccrine poromas (poro-epitheliomas, porocarcinomas). *Ann Anat Pathol (Paris).* 20(4):381–94. [French] PMID:1229958
948. Grossmann P, Vanecsek T, Steiner P, Kacerovska D, Spagnolo DV, Cribier B, et al. (2013). Novel and recurrent germline and somatic mutations in a cohort of 67 patients from 48 families with Brooke-Spiegler syndrome including the phenotypic variant of multiple familial trichoepitheliomas and correlation with the histopathologic findings in 379 biopsy specimens. *Am J Dermatopathol.* 35(1):34–44. PMID:23249834
- 948A. Grossniklaus HE, Eberhart CG, Kivelä T, editors (2018). WHO classification of tumours of the eye. 4th ed. Lyon: International Agency for Research on Cancer.
949. Grouls V, Hey A (1988). Trichoblastic fibroma (fibromatoid trichoepithelioma). *Pathol Res Pract.* 183(4):462–8. PMID:3186547
950. Grossin L, Horvath A, Julian E, Boikos S, Rene-Corail F, Lefebvre H, et al. (2006). A PRKAR1A mutation associated with primary pigmented nodular adrenocortical disease in 12 kindreds. *J Clin Endocrinol Metab.* 91(5):1943–9. PMID:16464939
951. Gru AA, Becker N, Dehner LP, Pfeifer JD (2014). Mucosal melanoma: correlation of clinicopathologic, prognostic, and molecular features. *Melanoma Res.* 24(4):360–70. PMID:24870295
952. Gru AA, Jaffe ES (2017). Cutaneous EBV-related lymphoproliferative disorders. *Semin Diagn Pathol.* 34(1):60–75. PMID:27988064
953. Gu M, Antonescu CR, Guiter G, Huvos AG, Ladanyi M, Zakowski MF (2000). Cytokeratin immunoreactivity in Ewing's sarcoma: prevalence in 50 cases confirmed by molecular diagnostic studies. *Am J Surg Pathol.* 24(3):410–6. PMID:10716155
954. Gualandri L, Betti R, Crosti C (2009). Clinical features of 36 cases of amelanotic melanomas and considerations about the relationship between histologic subtypes and diagnostic delay. *J Eur Acad Dermatol Venerol.* 23(3):283–7. PMID:19207640
955. Guenova E, Schanz S, Hoetzenecker W, DeSimone JA, Mehra T, Voykov B, et al. (2014). Systemic corticosteroids for subcutaneous panniculitis-like T-cell lymphoma. *Br J Dermatol.* 171(4):891–4. PMID:24725144
956. Guiéze R, Wu CJ (2015). Genomic and epigenetic heterogeneity in chronic lymphocytic leukemia. *Blood.* 126(4):445–53. PMID:26065654
957. Aguilera-Barrantes I, Magro C, Nuovo GJ (2007). Verruca vulgaris of the vulva in children and adults: a nonvenereal type of vulvar wart. *Am J Surg Pathol.* 31(4):529–35. PMID:17414099
958. Guillou L, Calonje E, Speight P, Rosai J, Fletcher CD (1999). Hobnail hemangioma: a pseudomalignant vascular lesion with a reappraisal of targetoid hemosiderotic hemangioma. *Am J Surg Pathol.* 23(1):97–105. PMID:9888709
959. Guillou L, Wadden C, Coindre JM, Krausz T, Fletcher CD (1997). "Proximal-type" epithelioid sarcoma, a distinctive aggressive neoplasm showing rhabdoid features. Clinicopathologic, immunohistochemical, and ultrastructural study of a series. *Am J Surg Pathol.* 21(2):130–46. PMID:9042279
960. Guinee D Jr, Jaffe E, Kingma D, Fishback N, Wallberg K, Krishnan J, et al. (1994). Pulmonary lymphomatoid granulomatosis. Evidence for a proliferation of Epstein-Barr virus infected B-lymphocytes with a prominent T-cell component and vasculitis. *Am J Surg Pathol.* 18(8):753–64. PMID:8037289
961. Guinot-Moya R, Valmaseda-Castellon E, Berini-Ayres L, Gay-Escoda C (2011). Pilomatricoma. Review of 205 cases. *Med Oral Patol Oral Cir Bucal.* 16(4):e552–5. PMID:20711110



962. Guitart J, Deonizio J, Bloom T, Martinez-Escala ME, Kuzel TM, Gerami P, et al. (2014). High incidence of gastrointestinal tract disorders and autoimmunity in primary cutaneous marginal zone B-cell lymphomas. *JAMA Dermatol.* 150(4):412–8. PMID:24500411
- 962A. Guitart J, Martinez-Escala ME, Subtil A, Duvic M, Pulitzer MP, Olsen EA, et al. (2017). Primary cutaneous aggressive epidermotropic cytotoxic T-cell lymphomas: reappraisal of a provisional entity in the 2016 WHO classification of cutaneous lymphomas. *Mod Pathol.* 30(5):761–72. PMID:28128277
963. Guitart J, Querfeld C (2009). Cutaneous CD30 lymphoproliferative disorders and similar conditions: a clinical and pathologic prospective on a complex issue. *Semin Diagn Pathol.* 26(3):131–40. PMID:20043512
964. Guitart J, Ramirez J, Laskin WB (2006). Cellular digital fibromas: what about superficial acral fibromyxoma? *J Cutan Pathol.* 33(11):762–4. PMID:17083699
965. Guitart J, Weisenburger DD, Subtil A, Kim E, Wood G, Duvic M, et al. (2012). Cutaneous  $\gamma\delta$  T-cell lymphomas: a spectrum of presentations with overlap with other cytotoxic lymphomas. *Am J Surg Pathol.* 36(11):1656–65. PMID:23073324
966. Gullia A, Saggini A, Wiesner T, Fink-Puches R, Argenyi Z, Ferrara G, et al. (2011). Clinicopathologic features of early lesions of primary cutaneous follicle center lymphoma, diffuse type: implications for early diagnosis and treatment. *J Am Acad Dermatol.* 65(5):991–1000. PMID:21704419
967. Guo R, Wang X, Chou MM, Asmann Y, Wenger DE, Al-Ibraheemi A, et al. (2016). PPP6R3-USP6 amplification: novel oncogenic mechanism in malignant nodular fasciitis. *Genes Chromosomes Cancer.* 55(8):640–9. PMID:27113271
968. Guo T, Zhang L, Chang NE, Singer S, Maki RG, Antonescu CR (2011). Consistent MYC and FLT4 gene amplification in radiation-induced angiosarcoma but not in other radiation-associated atypical vascular lesions. *Genes Chromosomes Cancer.* 50(1):25–33. PMID:20949568
969. Gupta D, Thappa DM (2013). Mongolian spots—a prospective study. *Pediatr Dermatol.* 30(6):683–8. PMID:23834326
970. Gupta D, Thappa DM (2013). Mongolian spots: how important are they? *World J Clin Cases.* 1(8):230–2. PMID:24340274
971. Gupta G, Man I, Kemmett D (2000). Hydroa vacciniforme: a clinical and follow-up study of 17 cases. *J Am Acad Dermatol.* 42(2 Pt 1):208–13. PMID:10642674
972. Gurbuz Y, Muezzinoglu B, Apaydin R, Yumbul AZ (2002). Acral arteriovenous tumor (cirroid aneurysm): clinical and histopathological analysis of 6 cases. *Adv Clin Path.* 6(1):25–9. PMID:17582945
973. Gustafson P (1994). Soft tissue sarcoma. Epidemiology and prognosis in 508 patients. *Acta Orthop Scand Suppl.* 259:1–31. PMID:8042499
974. Gutiérrez-González E, Montero I, Sánchez-Aguilar D, Ginarte M, Toribio J (2014). Adult-onset verrucous nevus lipomatosus cutaneous superficialis. *Int J Dermatol.* 53(1):e69–71. PMID:23113758
975. Haas N, Audring H, Sterry W (2002). Carcinoma arising in a proliferating trichilemmal cyst expresses fetal and trichilemmal hair phenotype. *Am J Dermatopathol.* 24(4):340–4. PMID:12142616
976. Haboug C, Michiels-Marzais D, Wang Q, Pissaloux D, de la Fouchardiere A (2017). Linear variant of large plaque-type blue naevus with subcutaneous cellular nodules. *Pathology.* 49(5):542–4. PMID:28673427
977. Hachisuga T, Hashimoto H, Enjoji M (1984). Angioleiomyoma. A clinicopathologic reappraisal of 562 cases. *Cancer.* 54(1):126–30. PMID:6722737
978. Haddock ES, Cohen PR (2016). Fibroepithelioma of Pinkus revisited. *Dermatol Ther (Heidelb).* 6(3):347–62. PMID:27329375
979. HaDuong JH, Martin AA, Skapek SX, Mascarenhas L (2015). Sarcomas. *Pediatr Clin North Am.* 62(1):179–200. PMID:25435119
980. Haenssle HA, Mograby N, Ngassa A, Buhl T, Emmert S, Schön MP, et al. (2016). Association of patient risk factors and frequency of nevus-associated cutaneous melanomas. *JAMA Dermatol.* 152(3):291–8. PMID:26536613
981. Hafner C, Schmiemann V, Ruetten A, Coras B, Landthaler M, Reifemberger J, et al. (2007). PTCH mutations are not mainly involved in the pathogenesis of sporadic trichoblastomas. *Hum Pathol.* 38(10):1496–500. PMID:17597182
982. Hafner C, Stoehr R, van Oers JM, Zwarthoff EC, Hofstaedter F, Landthaler M, et al. (2009). FGFR3 and PIK3CA mutations are involved in the molecular pathogenesis of solar lentigo. *Br J Dermatol.* 160(3):546–51. PMID:19076977
983. Hafner C, Vogt T (2008). Seborrhic keratosis. *J Dtsch Dermatol Ges.* 6(8):664–77. PMID:18801147
984. Hagen JW, Magro CM (2014). Indolent CD8+ lymphoid proliferation of the face with eyelid involvement. *Am J Dermatopathol.* 36(2):137–41. PMID:24556898
985. Haghigi B, Smoller BR, LeBoit PE, Warnke RA, Sander CA, Kohler S (2000). Pagetoid reticulosis (Woringer-Kolopp disease): an immunophenotypic, molecular, and clinicopathologic study. *Mod Pathol.* 13(5):502–10. PMID:10824921
986. Hahn H, Wicking C, Zaphiropoulos PG, Gailani MR, Shanley S, Chidambaram A, et al. (1996). Mutations of the human homolog of *Drosophila patched* in the nevoid basal cell carcinoma syndrome. *Cell.* 85(6):841–51. PMID:8681379
987. Hahtola S, Tuomela S, Elo L, Häkkinen T, Karenko L, Nedoszytko B, et al. (2006). Th1 response and cytotoxicity genes are down-regulated in cutaneous T-cell lymphoma. *Clin Cancer Res.* 12(16):4812–21. PMID:16914566
988. Hall BD, Cadle RG, Morrill-Cornelius SM, Bay CA (2007). Phakomatosis pigmentovascularis: implications for severity with special reference to Mongolian spots associated with Sturge-Weber and Klippel-Trenaunay syndromes. *Am J Med Genet A.* 143A(24):3047–53. PMID:17937434
989. Hall BJ, LeBoit PE (2014). Suprabasal spread of melanocytes in dysplastic nevi and melanoma in situ: Ki-67-labeling rate of junctional melanocytes and suprabasal cells may be a helpful clue to the diagnosis. *Am J Surg Pathol.* 38(8):1111–7. PMID:24805862
990. Haller F, Knopf J, Ackermann A, Bieg M, Kleinheinz K, Schlesner M, et al. (2016). Paediatric and adult soft tissue sarcomas with NTRK1 gene fusions: a subset of spindle cell sarcomas unified by a prominent myopericytic/haemangiopericytic pattern. *J Pathol.* 238(5):700–10. PMID:26863915
991. Hallermann C, Kaune KM, Gesk S, Martin-Subero JI, Gunawan B, Griesinger F, et al. (2004). Molecular cytogenetic analysis of chromosomal breakpoints in the IGH, MYC, BCL6, and MALT1 gene loci in primary cutaneous B-cell lymphomas. *J Invest Dermatol.* 123(1):213–9. PMID:15191563
992. Hallermann C, Kaune KM, Siebert R, Vermeer MH, Tensen CP, Willemze R, et al. (2004). Chromosomal aberration patterns differ in subtypes of primary cutaneous B cell lymphomas. *J Invest Dermatol.* 122(6):1495–502. PMID:15175042
993. Halling AC, Wollan PC, Pritchard DJ, Vlasak R, Nascimento AG (1996). Epithelioid sarcoma: a clinicopathologic review of 55 cases. *Mayo Clin Proc.* 71(7):636–42. PMID:8656704
994. Hallor KH, Sciort R, Staaf J, Heidenblad M, Rydholm A, Bauer HC, et al. (2009). Two genetic pathways, t(1;10) and amplification of 3p11-12, in myxoinflammatory fibroblastic sarcoma, haemosiderotic fibrolipomatous tumour, and morphologically similar lesions. *J Pathol.* 217(5):716–27. PMID:19199331
995. Halpern AC, Guerry D 4th, Elder DE, Trock B, Synnestvedt M, Humphreys T (1993). Natural history of dysplastic nevus. *J Am Acad Dermatol.* 29(1):51–7. PMID:8315078
996. Hamad N, Arnytage T, McIlroy K, Singh N, Ward C (2015). Primary cutaneous mantle-cell lymphoma: a case report and literature review. *J Clin Oncol.* 33(26):e104–8. PMID:24733805
997. Hamilton SN, Wai ES, Tan K, Alexander C, Gascoyne RD, Connors JM (2013). Treatment and outcomes in patients with primary cutaneous B-cell lymphoma: the BC Cancer Agency experience. *Int J Radiat Oncol Biol Phys.* 87(4):719–25. PMID:24001373
998. Han J, Kraft P, Colditz GA, Wong J, Hunter DJ (2006). Melanocortin 1 receptor variants and skin cancer risk. *Int J Cancer.* 119(8):1976–84. PMID:16721784
999. Hanaka T, Makihara K, Hachiya Y, Mukae H (2015). Primary lung sebaceous carcinoma. *Intern Med.* 54(3):351–2. PMID:25748747
1000. Hanau D, Grosshans E, Laplanche G (1984). A complex poroma-like adnexal adenoma. *Am J Dermatopathol.* 6(6):567–72. PMID:6098189
1001. Handley J, Carson D, Sloan J, Walsh M, Thornton C, Hadden D, et al. (1992). Multiple lentiginous, myxoid tumours and endocrine overactivity; four cases of Carney's complex. *Br J Dermatol.* 126(4):367–71. PMID:1571257
1002. Hanft VN, Shea CR, McNutt NS, Pulitzer D, Horenstein MG, Prieto VG (2000). Expression of CD34 in sclerotic ("plywood") fibromas. *Am J Dermatopathol.* 22(1):17–21. PMID:10698210
1003. Haniffa M, Bigley V, Collin M (2015). Human mononuclear phagocyte system reunited. *Semin Cell Dev Biol.* 41:59–69. PMID:25986054
1004. Hanson M, Lupski JR, Hicks J, Metry D (2003). Association of dermal melanocytosis with lysosomal storage disease: clinical features and hypotheses regarding pathogenesis. *Arch Dermatol.* 139(7):916–20. PMID:12873889
1005. Hantschke M, Mentzel T, Rütten A, Palmedo G, Calonje E, Lazar AJ, et al. (2010). Cutaneous clear cell sarcoma: a clinicopathologic, immunohistochemical, and molecular analysis of 12 cases emphasizing its distinction from dermal melanoma. *Am J Surg Pathol.* 34(2):216–22. PMID:20087159
1006. Hapgood G, Mooney E, Dinh HV, Gin D, McLean C, Ting SB (2012). Leukaemia cutis in chronic lymphocytic leukaemia following varicella zoster virus reactivation. *Intern Med J.* 42(12):1355–8. PMID:23253001
1007. Happle R (2002). Speckled lentiginous nevus syndrome: delineation of a new distinct neurocutaneous phenotype. *Eur J Dermatol.* 12(2):133–5. PMID:11872407
1008. Haque AK, Myers JL, Hudnall SD, Gelman BB, Lloyd RV, Payne D, et al. (1998). Pulmonary lymphomatoid granulomatosis in acquired immunodeficiency syndrome: lesions with Epstein-Barr virus infection. *Mod Pathol.* 11(4):347–56. PMID:9578085
- 1008A. Harada H, Hashimoto K, Ko MS (1996). The gene for multiple familial trichoepitheliomas maps to chromosome 9p21. *J Invest Dermatol.* 107(1):41–3. PMID:8752837
1009. Harbour JW, Onken MD, Robinson ED, Duan S, Cao L, Worley LA, et al. (2010). Frequent mutation of BAP1 in metastasizing uveal melanomas. *Science.* 330(6009):1410–2. PMID:21051595
1010. Harding-Jackson N, Sanguetta M, Wainston A, Suster S, Plaza JA (2015). Spindle cell atypical fibroxanthoma: myofibroblastic differentiation represents a diagnostic pitfall in this variant of AFX. *Am J Dermatopathol.* 37(7):509–14. PMID:26098709
1011. Harland M, Petljak M, Robles-Espinoza CD, Ding Z, Gruis NA, van Doorn R, et al. (2016). Germline TERT promoter mutations are rare in familial melanoma. *Fam Cancer.* 15(1):139–44. PMID:26433962
1012. Harms KL, Healy MA, Nghiem P, Sauer AJ, Johnson TM, Bhickjain CK, et al. (2010). Analysis of prognostic factors from 3387 melanoma cell carcinoma cases forms the basis for the new 8th edition AJCC Staging System. *Br J Surg Oncol.* 23(11):3564–71. PMID:27198701
1013. Harms PW, Fullen DR, Patel RM, Chang D, Shalin SC, Ma L, et al. (2015). Cutaneous basal cell carcinomas: evidence of clonality and recurrent chromosomal losses. *Hum Pathol.* 46(5):690–7. PMID:25704628
1014. Harms PW, Hocker TL, Zhao L, Chen MP, Andea AA, Wang M, et al. (2016). Loss of p16 expression and copy number changes of CDKN2A in a spectrum of sporadic melanocytic lesions. *Hum Pathol.* 58:152–60. PMID:27569296
1015. Harms PW, Hovelson DH, Cam AK, Omata K, Haller MJ, Wang ML, et al. (2010). Porocarcinomas harbor recurrent HRAS-activating mutations and tumor suppressor inactivating mutations. *Hum Pathol.* 51:25–33. PMID:27067779
1016. Haroche J, Abia O (2015). Uncommon histiocytic disorders: Rosai-Dorfman, juvenile xanthogranuloma, and Erdheim-Chester disease. *Hematology Am Soc Hematol Educ Program.* 2015(1):571–8. PMID:26637774
1017. Haroche J, Amoura Z, Dion E, Wechsler B, Costedoat-Chalumeau N, Cacoub P, et al. (2004). Cardiovascular involvement, an overlooked feature of Erdheim-Chester disease: report of 6 new cases and a literature review. *Medicine (Baltimore).* 83(6):571–82. PMID:15525849
1018. Haroche J, Arnaud L, Cohen-Aubart F, Hervier B, Charlotte F, Emile JF, et al. (2014). Erdheim-Chester disease. *Curr Rheumatol Rep.* 16(4):412. PMID:24532298
1019. Haroche J, Charlotte F, Arnaud L, von Deimling A, Hélias-Rodzewicz Z, Hervier B, et al. (2012). High prevalence of BRAF V600E mutations in Erdheim-Chester disease but not in other non-Langerhans cell histiocytoses. *Blood.* 120(13):2700–3. PMID:22879539
1020. Haroche J, Cluzel P, Toledano D, Montalescot G, Toutou D, Grenier PA, et al. (2008). Images in cardiovascular medicine. Cardiac involvement in Erdheim-Chester disease: magnetic resonance and computed tomographic scan imaging in a monocentric series of 37 patients. *Circulation.* 119(25):e57–4. PMID:19564564
1021. Haroche J, Cohen-Aubart F, Emile JF, Maksud P, Drier A, Tolédano D, et al. (2015). Reproducible and sustained efficacy of targeted therapy with vemurafenib in patients with BRAF(V600E)-mutated Erdheim-Chester disease. *J Clin Oncol.* 33(5):411–4. PMID:25422482
1022. Haroche J, Cohen-Aubart F, Rollins S, Donadieu J, Charlotte F, Idbah A, et al. (2017). Histiocytoses: emerging neoplasia behind



- inflammation. *Lancet Oncol.* 18(2):e113–25. PMID:28214412
1023. Harris DW, Ostlere LS, Rustin MH (1992). Cutaneous granulocytic sarcoma (chloroma) presenting as the first sign of relapse following autologous bone marrow transplantation for acute myeloid leukaemia. *Br J Dermatol.* 127(2):182–4. PMID:1390150
1024. Harris MN, Desai R, Chuang TY, Hood AF, Mirowski GW (2000). Lobular capillary hemangiomas: an epidemiologic report, with emphasis on cutaneous lesions. *J Am Acad Dermatol.* 42(6):1012–6. PMID:10827405
1025. Harrison B, Moore AM, Calfee R, Sammer DM (2013). The association between glomus tumors and neurofibromatosis. *J Hand Surg Am.* 38(8):1571–4. PMID:23849732
1026. Harrison B, Sammer D (2014). Glomus tumors and neurofibromatosis: a newly recognized association. *Plast Reconstr Surg Glob Open.* 2(9):e214. PMID:25426397
1027. Hart M, Thakral B, Yohe S, Balfour HH Jr, Singh C, Spears M, et al. (2014). EBV-positive mucocutaneous ulcer in organ transplant recipients: a localized indolent posttransplant lymphoproliferative disorder. *Am J Surg Pathol.* 38(11):1522–9. PMID:25007145
1028. Hartmann K, Escribano L, Grattan C, Brockow K, Carter MC, Alvarez-Twose I, et al. (2016). Cutaneous manifestations in patients with mastocytosis: consensus report of the European Competence Network on Mastocytosis; the American Academy of Allergy, Asthma & Immunology; and the European Academy of Allergy and Clinical Immunology. *J Allergy Clin Immunol.* 137(1):35–45. PMID:26476479
1029. Hartmann K, Wardelmann E, Ma Y, Merkelbach-Bruse S, Preussner LM, Woolery C, et al. (2005). Novel germline mutation of KIT associated with familial gastrointestinal stromal tumors and mastocytosis. *Gastroenterology.* 129(3):1042–6. PMID:16143141
1030. Hartschuh W, Schulz T (1995). Merkel cells are integral constituents of desmoplastic trichoepithelioma: an immunohistochemical and electron microscopic study. *J Cutan Pathol.* 22(5):413–21. PMID:8594073
1031. Hartschuh W, Schulz T (1997). Merkel cell hyperplasia in chronic radiation-damaged skin: its possible relationship to fibroepithelioma of Pinkus. *J Cutan Pathol.* 24(8):477–83. PMID:9331893
1032. Harvell JD (2003). Multiple spindle cell lipomas and dermatofibrosarcoma protuberans within a single patient: evidence for a common neoplastic process of interstitial dendritic cells? *J Am Acad Dermatol.* 48(1):82–5. PMID:12522375
1033. Harvell JD, Meehan SA, LeBoit PE (1997). Spitz's nevi with halo reaction: a histopathologic study of 17 cases. *J Cutan Pathol.* 24(10):611–9. PMID:9449488
1034. Harvey NT, Millward M, Macgregor K, Bucat RP, Wood BA (2016). Cutaneous metastatic melanoma resembling a halo nevus, in the setting of PD-1 inhibition. *Am J Dermatopathol.* 38(12):e159–62. PMID:27870733
1035. Harvey NT, Tabone T, Erber W, Wood BA (2016). Circumscribed sebaceous neoplasms: a morphological, immunohistochemical and molecular analysis. *Pathology.* 48(5):454–62. PMID:27311873
1036. Hasegawa SL, Davison JM, Rutten A, Fletcher JA, Fletcher CD (1998). Primary cutaneous Ewing's sarcoma: immunophenotypic and molecular cytogenetic evaluation of five cases. *Am J Surg Pathol.* 22(3):310–8. PMID:9500772
1037. Hasegawa T, Seki K, Yang P, Hirose T, Hizawa K (1994). Mechanism of pain and cytoskeletal properties in angioleiomyomas: an immunohistochemical study. *Pathol Int.* 44(1):66–72. PMID:8025650
1038. Hasegawa T, Shimoda T, Hirohashi S, Hizawa K, Sano T (1998). Collagenous fibroma (desmoplastic fibroblastoma): report of four cases and review of the literature. *Arch Pathol Lab Med.* 122(5):455–60. PMID:9593348
1039. Haskell HD, Haynes HA, McKee PH, Redston M, Granter SR, Lazar AJ (2005). Basal cell carcinoma with matrical differentiation: a case study with analysis of beta-catenin. *J Cutan Pathol.* 32(3):245–50. PMID:15701088
1040. Hassan SF, Stephens E, Fallon SC, Schady D, Hicks MJ, Lopez ME, et al. (2013). Characterizing pilomatricomas in children: a single institution experience. *J Pediatr Surg.* 48(7):1551–6. PMID:23895971
1041. Hassanein AM, Glanz SM (2004). Beta-catenin expression in benign and malignant pilomatric neoplasms. *Br J Dermatol.* 150(3):511–6. PMID:15030335
1042. Hassim AM (1969). Bilateral fibroadenoma in supernumerary breasts of the vulva. *J Obstet Gynaecol Br Commonw.* 76(3):275–7. PMID:5775152
1043. Hattori R, Kubo T, Yano K, Tanemura A, Yamaguchi Y, Itami S, et al. (2003). Nevus lipomatous cutaneous superficialis of the clitoris. *Dermatol Surg.* 29(10):1071–2. PMID:12974709
1044. Haupt HM, Stern JB, Berlin SJ (1992). Immunohistochemistry in the differential diagnosis of nodular hidradenoma and glomus tumor. *Am J Dermatopathol.* 14(4):310–4. PMID:1380207
1045. Haupt R, Minkov M, Astigarraga I, Schäfer E, Nanduri V, Jubran R, et al. (2013). Langerhans cell histiocytosis (LCH): guidelines for diagnosis, clinical work-up, and treatment for patients till the age of 18 years. *Pediatr Blood Cancer.* 60(2):175–84. PMID:23109216
1046. Hawley IC, Krausz T, Evans DJ, Fletcher CD (1994). Spindle cell lipoma—a pseudoangiomatous variant. *Histopathology.* 24(6):565–9. PMID:8063285
1047. Hayes MM, Konstantinova AM, Kacevovska D, Michal M, Kreuzberg B, Suvova B, et al. (2016). Bilateral gigantomastia, multiple synchronous nodular pseudoangiomatous stromal hyperplasia involving breast and bilateral axillary accessory breast tissue, and perianal mammary-type hamartoma of anogenital mammary-like glands: a case report. *Am J Dermatopathol.* 38(5):374–83. PMID:26863057
1048. Hayes MM, Maticic JP, Weir L (1996). Apocrine carcinoma of the lip: a case report including immunohistochemical and ultrastructural study, discussion of differential diagnosis, and review of the literature. *Oral Surg Oral Med Oral Pathol Oral Radiol Endod.* 82(2):193–9. PMID:8863310
1049. Hays JP, Malone CH, Goodwin BP, Wagner RF Jr (2018). Reactive eccrine syringofibroadenoma associated with basal cell carcinoma: a histologic mimicker of fibroepithelioma of Pinkus. *Dermatol Surg.* 44(5):738–40. PMID:28902033
1050. Hayward NK, Wilcott JS, Waddell N, Johansson PA, Field MA, Nones K, et al. (2017). Whole-genome landscapes of major melanoma subtypes. *Nature.* 545(7653):175–80. PMID:28467829
1051. Headington JT (1976). Tumors of the hair follicle. A review. *Am J Pathol.* 85(2):479–514. PMID:793411
1052. Headington JT, Tears R, Niederhuber JE, Slinger RP (1978). Primary adenoid cystic carcinoma of skin. *Arch Dermatol.* 114(3):421–4. PMID:204257
1053. Heath M, James N, Lemos B, Mostaghimi A, Wang LC, Peñas PF, et al. (2008). Clinical characteristics of Merkel cell carcinoma at diagnosis in 195 patients: the AEIOU features. *J Am Acad Dermatol.* 58(3):375–81. PMID:18280333
1054. Heenan PJ (2003). Nodular melanoma is not a distinct entity. *Arch Dermatol.* 139(3):387–8. PMID:12622643
1055. Heenan PJ, Bogle MS (1993). Eccrine differentiation in basal cell carcinoma. *J Invest Dermatol.* 100(3):295S–9S. PMID:8440908
1056. Heenan PJ, Quirk CJ, Papadimitriou JM (1986). Epithelioid sarcoma. A diagnostic problem. *Am J Dermatopathol.* 8(2):95–104. PMID:3717528
1057. Heidarpour M, Rajabi P, Sajadi F (2011). CD10 expression helps to differentiate basal cell carcinoma from trichoepithelioma. *J Res Med Sci.* 16(7):938–44. PMID:22279463
1058. Helbig D, Ihle MA, Pütz K, Tantscheva-Poor I, Mauch C, Büttner R, et al. (2016). Oncogene and therapeutic target analyses in atypical fibroxanthomas and pleomorphic dermal sarcomas. *Oncotarget.* 7(16):21763–74. PMID:26943575
1059. Helgadottir H, Höiom V, Jönsson G, Tuominen R, Ingvar C, Borg A, et al. (2014). High risk of tobacco-related cancers in CDKN2A mutation-positive melanoma families. *J Med Genet.* 51(8):545–52. PMID:24935963
1060. Helwig EB, May D (1986). Atypical fibroxanthoma of the skin with metastasis. *Cancer.* 57(2):368–76. PMID:3942970
1061. Henderson SA, Torres-Cabala CA, Curry JL, Bassett RL, Ivan D, Prieto VG, et al. (2014). p40 is more specific than p63 for the distinction of atypical fibroxanthoma from other cutaneous spindle cell malignancies. *Am J Surg Pathol.* 38(8):1102–10. PMID:25029117
1062. Henn A, Michel L, Fite C, Deschamps L, Ortonne N, Ingen-Housz-Oro S, et al. (2015). Sézary syndrome without erythroderma. *J Am Acad Dermatol.* 72(6):1003–9.e1. PMID:25981000
1063. Henner MS, Shapiro PE, Ritter JH, Lefell DJ, Wick MR (1995). Solitary syringoma. Report of five cases and clinicopathologic comparison with microcystic adnexal carcinoma of the skin. *Am J Dermatopathol.* 17(5):465–70. PMID:8599451
1064. Henning B, Stieger P, Kamarachev J, Dummer R, Goldinger SM (2016). Pyogenic granuloma in patients treated with selective BRAF inhibitors: another manifestation of paradoxical pathway activation. *Melanoma Res.* 26(3):304–7. PMID:27116335
1065. Henricks WH, Chu YC, Goldblum JR, Weiss SW (1997). Dedifferentiated liposarcoma: a clinicopathological analysis of 155 cases with a proposal for an expanded definition of dedifferentiation. *Am J Surg Pathol.* 21(3):271–81. PMID:9060596
1066. Herd RM, Hunter JA (1998). Familial halo naevi. *Clin Exp Dermatol.* 23(2):68–9. PMID:9692308
1067. Héritier S, Emile JF, Barkaoui MA, Thomas C, Fraitag S, Boudjemaa S, et al. (2016). BRAF mutation correlates with high-risk Langerhans cell histiocytosis and increased resistance to first-line therapy. *J Clin Oncol.* 34(25):3023–30. PMID:27382093
1068. Héritier S, Hélias-Rodzewicz Z, Lapiolonne H, Terrones N, Garrigou S, Normand C, et al. (2017). Circulating cell-free BRAF<sup>V600E</sup> as a biomarker in children with Langerhans cell histiocytosis. *Br J Haematol.* 178(3):457–67. PMID:28444728
1069. Héritier S, Saffroy R, Radosevic-Robin N, Pothin Y, Paquemet H, Peuchmaur M, et al. (2015). Common cancer-associated PIK3CA activating mutations rarely occur in Langerhans cell histiocytosis. *Blood.* 125(15):2448–9. PMID:25858893
1070. Herling M, Jones D (2007). CD4+/CD56+ hematodermic tumor: the features of an evolving entity and its relationship to dendritic cells. *Am J Clin Pathol.* 127(5):687–700. PMID:17439829
1071. Herling M, Teitell MA, Shen RR, Medeiros LJ, Jones D (2003). TCL1 expression in plasmacytoid dendritic cells (DC2s) and the related CD4+ CD56+ blastic tumors of skin. *Blood.* 101(12):5007–9. PMID:12576313
1072. Hernández-Núñez A, Nájera Botello L, Romero Maté A, Martínez-Sánchez C, Utrera Busquets M, Calderón Komáromy A, et al. (2014). Retrospective study of pilomatricoma: 261 tumors in 239 patients. *Actas Dermosifiligr.* 105(7):699–705. PMID:24838222
1073. Herrmann JL, Allan A, Trapp KM, Morgan MB (2014). Pilomatric carcinoma: 13 new cases and review of the literature with emphasis on predictors of metastasis. *J Am Acad Dermatol.* 71(1):38–43.e2. PMID:24739254
1074. Heron MD, Coffin CM, Vanderhooft SL (2002). Tufted angiomas: variability of the clinical morphology. *Pediatr Dermatol.* 19(5):394–401. PMID:12383094
1075. Henvier B, Haroche J, Arnaud L, Charlotte F, Donadieu J, Néel A, et al. (2014). Association of both Langerhans cell histiocytosis and Erdheim-Chester disease linked to the BRAFV600E mutation. *Blood.* 124(7):1119–26. PMID:24894769
1076. Hes O, Perez-Montiel DM, Alvarado Cabrero I, Zamecnik M, Podhola M, Sulc M, et al. (2003). Thread-like bridging strands: a morphologic feature present in all adenomatoid tumors. *Ann Diagn Pathol.* 7(5):273–7. PMID:14571427
1077. Heslin MJ, Lewis JJ, Woodruff JM, Brennan MF (1997). Core needle biopsy for diagnosis of extremity soft tissue sarcoma. *Ann Surg Oncol.* 4(5):425–31. PMID:9259971
1078. Hidano A, Kajima H, Ikeda S, Mizutani H, Miyasato H, Niimura M (1967). Natural history of nevus of Ota. *Arch Dermatol.* 95(2):187–95. PMID:6018994
1079. Hilliard NJ, Wakefield DN, Krahl D, Sellheyer K (2009). p16 expression in conventional and desmoplastic trichilemmomas. *Am J Dermatopathol.* 31(4):342–9. PMID:19461237
1080. Hindocha S, McGrouther DA, Bayat A (2009). Epidemiological evaluation of Dupuytren's disease incidence and prevalence rates in relation to etiology. *Hand (N Y).* 4(3):256–69. PMID:19145463
1081. Hinds B, Agulló Pérez AD, LeBoit PE, McCalmont TH, North JP (2017). Loss of retinoblastoma in pleomorphic fibroma: an immunohistochemical and genomic analysis. *J Cutan Pathol.* 44(8):665–71. PMID:28543636
1082. Hinds GA, Heald P (2009). Cutaneous T-cell lymphoma in skin of color. *J Am Acad Dermatol.* 60(3):359–75. PMID:19231637
1083. Hingmire S, Narayanan P, Khadwal A, Maru D, Biswas G, Sastry PS, et al. (2007). Isolated cutaneous relapse of acute myeloid leukemia. *J Assoc Physicians India.* 55:131. PMID:17571743
1084. Hirai Y, Kodama Y, Moriwaki S, Noda A, Cullings HM, Macphee DG, et al. (2006). Heterozygous individuals bearing a founder mutation in the XPA DNA repair gene comprise nearly 1% of the Japanese population. *Mutat Res.* 601(1–2):171–8. PMID:16905156
1085. Hirai Y, Yamamoto T, Kimura H, Ito Y, Tsuji K, Miyake T, et al. (2012). Hydroa vacciniforme is associated with increased numbers of Epstein-Barr virus-infected γδT cells. *J Invest Dermatol.* 132(5):1401–8. PMID:22297643
1086. Hiramatsu K, Sasaki K, Matsuda M, Hashimoto M, Eguchi T, Tomikawa S, et al. (2015). A case of trichilemmal carcinoma with distant metastases in a kidney transplantation patient. *Transplant Proc.* 47(1):155–7. PMID:25645796
1087. Hirose T, Scheithauer BW, Sano T



- (1998). Perineurial malignant peripheral nerve sheath tumor (MPNST): a clinicopathologic, immunohistochemical, and ultrastructural study of seven cases. *Am J Surg Pathol.* 22(11):1368–78. PMID:9808129
1088. Hisaoka M, Ishida T, Kuo TT, Matsuyama A, Imamura T, Nishida K, et al. (2008). Clear cell sarcoma of soft tissue: a clinicopathologic, immunohistochemical, and molecular analysis of 33 cases. *Am J Surg Pathol.* 32(3):452–60. PMID:18300804
1089. Histiocytosis syndromes in children. Writing Group of the Histiocyte Society. (1987). *Lancet.* 1(8526):208–9. PMID:2880029
1090. Ho J, Bhawan J (2017). Folliculosebaceous neoplasms: a review of clinical and histological features. *J Dermatol.* 44(3):259–78. PMID:28256760
1091. Ho YK, Zhi H, Bowlin T, Dorjbal B, Philip S, Zahoor MA, et al. (2015). HTLV-1 Tax stimulates ubiquitin E3 ligase, ring finger protein 8, to assemble lysine 63-linked polyubiquitin chains for TAK1 and IKK activation. *PLoS Pathog.* 11(8):e1005102. PMID:26285145
1092. Hoang MP, Dresser KA, Kapur P, High WA, Mahalingam M (2008). Microcystic adnexal carcinoma: an immunohistochemical reappraisal. *Mod Pathol.* 21(2):178–85. PMID:18065959
1093. Hoang MP, Prieto VG, Burchette JL, Shea CR (2001). Recurrent melanocytic nevus: a histologic and immunohistochemical evaluation. *J Cutan Pathol.* 28(8):400–6. PMID:11493377
1094. Hocker T, Tsao H (2007). Ultraviolet radiation and melanoma: a systematic review and analysis of reported sequence variants. *Hum Mutat.* 28(6):578–88. PMID:17295241
1095. Brachtel E, Koerner F (2014). Paget disease of the nipple. In: Hoda SA, Brogi E, Koerner FC, Rosen PP, editors. *Rosen's breast pathology.* 4th ed. Philadelphia: Lippincott Williams & Wilkins; pp. 775–95.
1096. Hodak E, Feuerman H, Barzilai A, David M, Ceroni L, Feinmesser M (2010). Anetodermic primary cutaneous B-cell lymphoma: a unique clinicopathological presentation of lymphoma possibly associated with antiphospholipid antibodies. *Arch Dermatol.* 146(2):175–82. PMID:20157029
1097. Hodak E, Amitay-Laish I, Atzmony L, Prag-Naveh H, Yanichkin N, Barzilai A, et al. (2016). New insights into folliculotropic mycosis fungoides (FMF): a single-center experience. *J Am Acad Dermatol.* 75(2):347–55. PMID:27245278
1098. Hodis E, Watson IR, Kryukov GV, Arold ST, Imielinski M, Theurillat JP, et al. (2012). A landscape of driver mutations in melanoma. *Cell.* 150(2):251–63. PMID:22817889
1099. Hoefnagel JJ, Dijkman R, Basso K, Jansen PM, Hallermann C, Willemze R, et al. (2005). Distinct types of primary cutaneous large B-cell lymphoma identified by gene expression profiling. *Blood.* 105(9):3671–8. PMID:15308563
1100. Hoefnagel JJ, Vermeer MH, Jansen PM, Fleuren GJ, Meijer CJ, Willemze R (2003). Bcl-2, Bcl-6 and CD10 expression in cutaneous B-cell lymphoma: further support for a follicle centre cell origin and differential diagnostic significance. *Br J Dermatol.* 149(6):1183–91. PMID:14674895
1101. Hoefnagel JJ, Vermeer MH, Jansen PM, Heule F, van Voorst Vader PC, Sanders CJ, et al. (2005). Primary cutaneous marginal zone B-cell lymphoma: clinical and therapeutic features in 50 cases. *Arch Dermatol.* 141(9):1139–45. PMID:16172311
1102. Hoelsly PM, Lowe GC, Lohse CM, Brewer JD, Lehman JS (2015). Prognostic impact of fibrosarcomatous transformation in dermatofibrosarcoma protuberans: a cohort study. *J Am Acad Dermatol.* 72(3):419–25. PMID:25582537
1103. Hofmann-Wellenhof R (2013). Special criteria for special locations 2: scalp, mucosal, and milk line. *Dermatol Clin.* 31(4):625–36, ix. PMID:24075550
1104. Hofvander J, Arbajian E, Stenkula KG, Lindkvist-Petersson K, Larsson M, Nilsson J, et al. (2017). Frequent low-level mutations of protein kinase D2 in angiolipoma. *J Pathol.* 241(5):578–82. PMID:28139834
1105. Holden CA, Wells RS, MacDonald DM (1982). Cutaneous lymphomatoid granulomatosis. *Clin Exp Dermatol.* 7(4):449–54. PMID:7127892
1106. Hollmann TJ, Bovée JV, Fletcher CD (2012). Digital fibromyxoma (superficial acral fibromyxoma): a detailed characterization of 124 cases. *Am J Surg Pathol.* 36(6):789–98. PMID:22367301
1107. Hollmann TJ, Brenn T, Hornick JL (2008). CD25 expression on cutaneous mast cells from adult patients presenting with urticaria pigmentosa is predictive of systemic mastocytosis. *Am J Surg Pathol.* 32(1):139–45. PMID:18162781
1108. Hollmann TJ, Hornick JL (2011). INI1-deficient tumors: diagnostic features and molecular genetics. *Am J Surg Pathol.* 35(10):e47–63. PMID:21934399
1109. Hollowood K, Holley MP, Fletcher CD (1991). Plexiform fibrohistiocytic tumour: clinicopathological, immunohistochemical and ultrastructural analysis in favour of a myofibroblastic lesion. *Histopathology.* 19(6):503–13. PMID:1723956
1110. Holmes RC, Fensom AH, McKee P, Cairns RJ, Black MM (1984). Angiokeratoma corporis diffusum in a patient with normal enzyme activities. *J Am Acad Dermatol.* 10(2 Pt 2):384–7. PMID:6423705
1111. Holst VA, Jinkins-Hopkins JM, Elenitsas R (2002). Cutaneous smooth muscle neoplasms: clinical features, histologic findings, and treatment options. *J Am Acad Dermatol.* 46(4):477–90. PMID:11907496
1112. Honda A, Iwasaki T, Sata T, Kawashima M, Morishima T, Matsukura T (1994). Human papillomavirus type 60-associated plantar wart. *Ridged wart.* *Arch Dermatol.* 130(11):1413–7. PMID:7979443
1113. Hong YK, Shin JW, Detmar M (2004). Development of the lymphatic vascular system: a mystery unravels. *Dev Dyn.* 231(3):462–73. PMID:15376314
1114. Hönigsman H, Schwarz T (2012). Ultraviolet therapy. In: Bologna JL, Jorizzo JJ, Schaffer JV, Callen JP, Ceroni L, Heymann WR, et al., editors. *Dermatology.* 3rd ed. London: Elsevier; pp. 2219–36.
1115. Hönigsman H, Wolff K, Gschnait F, Brenner W, Jaschke E (1980). Keratoses and nonmelanoma skin tumors in long-term photochemotherapy (PUVA). *J Am Acad Dermatol.* 3(4):406–14. PMID:7430462
1116. Hori Y, Kawashima M, Oohara K, Kukita A (1984). Acquired, bilateral nevus of Ota-like macules. *J Am Acad Dermatol.* 10(6):961–4. PMID:6736340
1117. Horn S, Figl A, Rachakonda PS, Fischer C, Sucker A, Gast A, et al. (2013). TERT promoter mutations in familial and sporadic melanoma. *Science.* 339(6122):959–61. PMID:23348503
1118. Horn TD, Vennos EM, Bernstein BD, Cooper PH (1995). Multiple tumors of follicular infundibulum with sweat duct differentiation. *J Cutan Pathol.* 22(3):281–7. PMID:7593824
1119. Horna P, Shao H, Idrees A, Glass LF, Torres-Cabala CA (2017). Indeterminate dendritic cell neoplasm of the skin: a 2-case report and review of the literature. *J Cutan Pathol.* 44(11):958–63. PMID:28880462
1120. Hornick JL, Bosenberg MW, Mentzel T, McMenamin ME, Oliveira AM, Fletcher CD (2004). Pleomorphic liposarcoma: clinicopathologic analysis of 57 cases. *Am J Surg Pathol.* 28(10):1257–67. PMID:15371941
1121. Hornick JL, Dal Cin P, Fletcher CD (2009). Loss of INI1 expression is characteristic of both conventional and proximal-type epithelioid sarcoma. *Am J Surg Pathol.* 33(4):542–50. PMID:19033866
1122. Hornick JL, Fletcher CD (2004). Cutaneous myoeptelioma: a clinicopathologic and immunohistochemical study of 14 cases. *Hum Pathol.* 35(1):14–24. PMID:14745720
1123. Hornick JL, Fletcher CD (2005). Intestinal perineuromas: clinicopathologic definition of a new anatomic subset in a series of 10 cases. *Am J Surg Pathol.* 29(7):859–65. PMID:15958849
1124. Hornick JL, Fletcher CD (2005). Soft tissue perineuroma: clinicopathologic analysis of 81 cases including those with atypical histologic features. *Am J Surg Pathol.* 29(7):845–58. PMID:15958848
1125. Hornick JL, Fletcher CD (2006). Intra-articular nodular fasciitis—a rare lesion: clinicopathologic analysis of a series. *Am J Surg Pathol.* 30(2):237–41. PMID:16434899
1126. Hornick JL, Fletcher CD (2007). Cellular neurothekeoma: detailed characterization in a series of 133 cases. *Am J Surg Pathol.* 31(3):329–40. PMID:17325474
1127. Hornick JL, Fletcher CD (2011). Pseudomyogenic hemangioendothelioma: a distinctive, often multicentric tumor with indolent behavior. *Am J Surg Pathol.* 35(2):190–201. PMID:21263239
1128. Horny H-P, Akin C, Arber DA, Peterson LC, Tefferi A, Metcalfe DD, et al. (2017). Mastocytosis. In: Swerdlow SH, Campo E, Harris NL, Jaffe ES, Pileri SA, Stein H, et al., editors. *WHO classification of tumours of haematopoietic and lymphoid tissues.* Revised 4th ed. Lyon: International Agency for Research on Cancer; pp. 62–9.
1129. Horny HP, Sotlar K, Stellmacher F, Krowinski M, Agis H, Schwartz LB, et al. (2006). The tryptase positive compact round cell infiltrate of the bone marrow (TROC-BM): a novel histopathological finding requiring the application of lineage specific markers. *J Clin Pathol.* 59(3):298–302. PMID:16505282
1130. Horvath A, Bertherat J, Groussin L, Guillaud-Bataille M, Tsang K, Cazabat L, et al. (2010). Mutations and polymorphisms in the gene encoding regulatory subunit type 1-alpha of protein kinase A (PRKAR1A): an update. *Hum Mutat.* 31(4):369–79. PMID:20358582
1131. Horvath A, Bossis I, Giatzakis C, Levine E, Weinberg F, Meoli E, et al. (2008). Large deletions of the PRKAR1A gene in Carney complex. *Clin Cancer Res.* 14(2):388–95. PMID:18223213
1132. Howrey RP, Lipham WJ, Schultz WH, Buckley EG, Dutton JJ, Klintworth GK, et al. (1998). Sebaceous gland carcinoma: a subtle second malignancy following radiation therapy in patients with bilateral retinoblastoma. *Cancer.* 83(4):767–71. PMID:9708943
1133. Hoy WE, Cestero RV, Freeman RB (1978). Lymphocyte subpopulations in maintenance hemodialysis patients. *J Dial.* 2(1):1–15. PMID:305928
1134. Hsi AC, Hurlay MY, Lee SJ, Rosman IS, Pang X, Gru A, et al. (2016). Diagnostic utility of SOX11 immunohistochemistry in differentiating cutaneous spread of mantle cell lymphoma from primary cutaneous B-cell lymphomas. *J Cutan Pathol.* 43(4):354–61. PMID:26762898
1135. Hsi AC, Robirds DH, Luo J, Kreisel FH, Frater JL, Nguyen TT (2014). T-cell prolymphocytic leukemia frequently shows cutaneous involvement and is associated with gains of
- MYC, loss of ATM, and TCL1A rearrangement. *Am J Surg Pathol.* 38(11):1468–80. PMID:25310835
1136. Hsu YC, Li L, Fuchs E (2014). Emerging interactions between skin stem cells and their niches. *Nat Med.* 20(8):847–60. PMID:25100530
1137. Hu DN, Yu GP, McCormick SA, Schneider S, Finger PT (2005). Population-based incidence of uveal melanoma in various races and ethnic groups. *Am J Ophthalmol.* 140(4):592–7. PMID:16226513
1138. Hu Z, Medeiros LJ, Fang L, Sun Y, Tang Z, Tang G, et al. (2017). Prognostic significance of cytogenetic abnormalities in T-cell prolymphocytic leukemia. *Am J Hematol.* 92(5):441–7. PMID:28194886
1139. Hu-Lieschovan S, Zhang J, Wu L, Shimada H, Schofield DE, Triche TJ (2005). EWS-FLI1 fusion protein up-regulates critical genes in neural crest development and is responsible for the observed phenotype of Ewing's family of tumors. *Cancer Res.* 65(11):4633–41. PMID:15930281
1140. Huang D, Sumegi J, Dal Cin P, Raza JD, Yasuda T, Nelson M, et al. (2010). C11orf95-MKL2 is the resulting fusion oncogene of t(11;16)(q13;p13) in chromothripsis. *Genes Chromosomes Cancer.* 49(5):391–4. PMID:20607705
1141. Huang FW, Hodis E, Xu ML, Kwon CH, Chin L, Garraway LA (2013). High-resolution TERT promoter mutations in human melanoma. *Science.* 339(6122):957–9. PMID:23446388
1142. Huang KP, Weinstein MP, Davis CL, McMillan A, Hoppe RT, Kim YH (2007). Sebaceous lymphomas and other malignant neoplasms in patients with mycosis fungoides and Sezary syndrome: evidence from population-based and clinical cohorts. *Arch Dermatol.* 143(10):1450–50. PMID:17224541
1143. Huang L, Wang SA, Koropatnik S, Basso-Ramos CE, Thakral B, Miranda RM, et al. (2016). Well-differentiated systemic mastocytosis showed excellent clinical response to imatinib in the absence of known molecular genetic abnormalities: a case report. *Am J Surg (Baltimore).* 95(41):e4934. PMID:27474192
1144. Huang SC, Zhang L, Sang HS, Duan CL, Kao YC, Agaram NP, et al. (2016). Recurrent CIC gene abnormalities in angiosarcoma: molecular study of 120 cases with concurrent investigation of PLOG1, KDR, VEGFR, and VEGF gene alterations. *Am J Surg Pathol.* 40(10):1402–10. PMID:26735859
1145. Huang SC, Zhang L, Sang HS, Duan CL, Krausz T, Dickson BC, et al. (2015). Frequent FOS gene rearrangements in angiosarcoma hemangioma: a molecular study of 33 cases with morphologic reappraisal. *Am J Surg Pathol.* 39(10):1313–21. PMID:26105577
1146. Hügel H (1993). Papilloma-like fibromatosis/dermal myofibroma. *J Cutan Pathol.* 20(1):94. PMID:8498425
1147. Hügel H, Requena L (2003). Dermoid cystoma arising from a syringocystadenoma in a nevus sebaceus of Jadassohn. *J Dermatopathol.* 25(6):480–3. PMID:14630111
1148. Hulsebos TJ, Plomp AS, Wolterman M, Robanus-Maandag EC, Baas F, Weening DJM (2007). Germine mutation of NR2F1 causes familial schwannomatosis. *Am J Hum Genet.* 80(4):805–10. PMID:17357086
1149. Qiagen Bioinformatics (2017). Human Gene Mutation Database. Hidden: Qiagen Bioinformatics. Available: <https://portal.biobase-international.com/>
1150. Hung T, Argeny Z, Brown L, Galloway J, Horenstein MG, Lowe L, et al. (2015). Cellular blue nevomelanocytic lesions: a clinical, histological, and outcome study of 17 cases. *Am J Dermatopathol.* 38(7):494–500.



PMID:26909585

1151. Hung T, Yang A, Mihm MC, Barnhill RL (2014). The plexiform spindle cell nevus nevus and atypical variants: report of 128 cases. *Hum Pathol.* 45(12):2369–78. PMID:25300464
1152. Hung YP, Fletcher CD, Hornick JL (2016). Evaluation of NKX2-2 expression in round cell sarcomas and other tumors with EWSR1 rearrangement: imperfect specificity for Ewing sarcoma. *Mod Pathol.* 29(4):370–80. PMID:26847175
1153. Hung YP, Fletcher CD, Hornick JL (2017). FOSB is a useful diagnostic marker for pseudomyogenic hemangioendothelioma. *Am J Surg Pathol.* 41(5):596–606. PMID:28009608
1154. Hung YP, Fletcher CDM (2017). Myopericytoma: clinicopathologic analysis of 11 cases with molecular identification of recurrent PDGFRB alterations in myopericytoma and myopericytoma. *Am J Surg Pathol.* 41(8):1034–44. PMID:28505006
1155. Hunt KM, Srivastava RK, Elmets CA, Athar M (2014). The mechanistic basis of arsenicosis: pathogenesis of skin cancer. *Cancer Lett.* 354(2):211–9. PMID:25173797
1156. Hunt SJ, Kilzer B, Santa Cruz DJ (1990). Desmoplastic trichilemmoma: histologic variant resembling invasive carcinoma. *J Cutan Pathol.* 17(1):45–52. PMID:2319039
1157. Hunt SJ, Santa Cruz DJ, Barr RJ (1991). Microvenular hemangioma. *J Cutan Pathol.* 18(4):235–40. PMID:1939781
1158. Hunt SJ, Santa Cruz DJ, Kerl H (1990). Giant eccrine acroproma. *J Am Acad Dermatol.* 23(4 Pt 1):663–8. PMID:2172332
1159. Huppman AR, Xi L, Raffeld M, Pittaluga S, Jaffe ES (2013). Subcutaneous panniculitis-like T-cell lymphoma in the pediatric age group: a lymphoma of low malignant potential. *Pediatr Blood Cancer.* 60(7):1165–70. PMID:23382035
1160. Hurley MY, Ghahramani GK, Frisch S, Ambrecht ES, Lind AC, Nguyen TT, et al. (2013). Cutaneous myeloid sarcoma: natural history and biology of an uncommon manifestation of acute myeloid leukemia. *Acta Derm Venereol.* 93(3):319–24. PMID:23165700
1161. Husein-ElAhmed H, Fernandez-Pugnaire MA (2016). Dermatoscopy-guided therapy of pigmented basal cell carcinoma with imiquimod. *An Bras Dermatol.* 91(6):764–9. PMID:28099598
1162. Hussein MR (2005). Melanocytic dysplastic naevi occupy the middle ground between benign melanocytic naevi and cutaneous malignant melanomas: emerging clues. *J Clin Pathol.* 58(5):453–6. PMID:15858113
1163. Iarikov D, Duke W, Skiest D (2008). Extensive development of flat warts as a cutaneous manifestation of immune reconstitution syndrome. *AIDS Read.* 18(10):524–7. PMID:18975443
1164. Ichihashi N, Kitajima Y (2000). Loss of heterozygosity of adenomatous polyposis coli gene in cutaneous tumors as determined by using polymerase chain reaction and paraffin section preparations. *J Dermatol Sci.* 22(2):102–6. PMID:10674823
1165. Idriss MH, Elston DM (2014). Secondary neoplasms associated with nevus sebaceus of Jadassohn: a study of 707 cases. *J Am Acad Dermatol.* 70(2):332–7. PMID:24268309
1166. Igawa HH, Ohura T, Sugihara T, Ishikawa T, Kumakiri M (1994). Cleft lip Mongolian spot: Mongolian spot associated with cleft lip. *J Am Acad Dermatol.* 30(4):566–9. PMID:8157782
1167. Ikonou IM, Aamot HV, Heim S, Fosså A, Delabie J (2007). Granulomatous slack skin with a translocation t(3;9)(q12;p24). *Am J Surg Pathol.* 31(5):803–6. PMID:17460466
1168. Iles MM, Law MH, Stacey SN, Han J, Fang S, Pfeiffer R, et al. (2013). A variant in FTO shows association with melanoma risk not due to BMI. *Nat Genet.* 45(4):428–32, e1. PMID:23455637
1169. Imko-Walczuk B, Cegielska A, Placek W, Kaszewski S, Fiedor P (2014). Human papillomavirus-related verrucous carcinoma in a renal transplant patient after long-term immunosuppression: a case report. *Transplant Proc.* 46(8):2916–9. PMID:25380950
1170. Imko-Walczuk B, Kryś A, Lizakowski S, Dębska-Ślizień A, Rutkowski B, Biernat W, et al. (2014). Sebaceous carcinoma in patients receiving long-term immunosuppressive treatment: case report and literature review. *Transplant Proc.* 46(8):2903–7. PMID:25380947
1171. Imperial R, Helwig EB (1967). Angiokeratoma of the scrotum (Fordyce type). *J Urol.* 98(3):379–87. PMID:6069899
1172. Imperial R, Helwig EB (1967). Angiokeratoma of the vulva. *Obstet Gynecol.* 29(3):307–12. PMID:6019084
1173. Imperial R, Helwig EB (1967). Angiokeratoma. A clinicopathological study. *Arch Dermatol.* 95(2):166–75. PMID:6018992
1174. Imperial R, Helwig EB (1967). Verrucous hemangioma. A clinicopathologic study of 21 cases. *Arch Dermatol.* 96(3):247–53. PMID:6038751
1175. Inaba H, Greaves M, Mullighan CG (2013). Acute lymphoblastic leukaemia. *Lancet.* 381(9881):1943–55. PMID:23523389
1176. Inalöz HS, Chowdhury MM, Knight AG (2001). Cutaneous lymphadenoma. *J Eur Acad Dermatol Venereol.* 15(5):481–3. PMID:11763398
1177. Inamadar AC, Palit A (2007). Persistent, aberrant Mongolian spots in Sjögren-Larsen syndrome. *Pediatr Dermatol.* 24(1):98–9. PMID:17300667
1178. Inninno M, Impagnatiello A, D'Ettoe G, Bernardi G, Moschella CM, Gozzo P, et al. (2013). Buschke-Löwenstein tumor with squamous cell carcinoma treated with chemo-radiation therapy and local surgical excision: report of three cases. *World J Surg Oncol.* 11:231. PMID:24040860
1179. Inoue M, Ueda K, Hashimoto T (2002). Nevus lipomatous cutaneus superficialis with follicular papules and hypertrophic pilo-sebaceous units. *Int J Dermatol.* 41(4):241–3. PMID:12031036
1180. Inoue T, Misago N, Asami A, Tokunaga O, Narisawa Y (2016). Myopericytoma proliferating in an unusual anastomosing multinodular fashion. *J Dermatol.* 43(5):557–9. PMID:26499100
1181. Ioannidou DJ, Stefanidou MP, Panayiotides JG, Tosca AD (2001). Nevus lipomatous cutaneus superficialis (Hoffmann-Zurhelle) with localized scleroderma like appearance. *Int J Dermatol.* 40(1):54–7. PMID:11277956
1182. Iorizzo LJ 3rd, Brown MD (2011). Atypical fibroxanthoma: a review of the literature. *Dermatol Surg.* 37(2):146–57. PMID:21269345
1183. Irajli F, Kiani A, Shahidi S, Vahabi R (2002). Histopathology of skin lesions with warty appearance in renal allograft recipients. *Am J Dermatopathol.* 24(4):324–5. PMID:12142612
1184. Ireland AM, Harvey NT, Berry BD, Wood BA (2017). Paediatric cutaneous adnexal tumours: a study of 559 cases. *Pathology.* 49(1):50–4. PMID:27914683
1185. Irvine AD, Sweeney L, Corbett JR (1996). Lymphangioma circumscriptum associated with paravesical cystic retroperitoneal lymphangioma. *Br J Dermatol.* 134(6):1135–7. PMID:8763441
1186. Ishibashi M, Yamamoto K, Kudo S, Chen KR (2010). Mantle cell lymphoma with skin invasion characterized by the common variant in the subcutis and blastoid transformation in the overlying dermis. *Am J Dermatopathol.* 32(2):180–2. PMID:20010283
1187. Ishida M, Okabe H (2012). Intraepidermal sebaceous carcinoma occurring concurrently with actinic keratosis. *J Cutan Pathol.* 39(7):731–2. PMID:22416794
1188. Ishige T, Kikuchi K, Miyazaki Y, Hara H, Yoshino A, Terui T, et al. (2011). Differentiation and apoptosis in pilomatricoma. *Am J Dermatopathol.* 33(1):60–4. PMID:21239898
1189. Ishikawa K (1971). Malignant hydroacanthoma simplex. *Arch Dermatol.* 104(5):529–32. PMID:5120180
1190. Ishimura E, Iwamoto H, Kobashi Y, Yamabe H, Ichijima K (1983). Malignant chondroid syringoma. Report of a case with widespread metastasis and review of pertinent literature. *Cancer.* 52(10):1966–73. PMID:6194872
1191. Islam MN, Bhattacharyya I, Proper SA, Glanz SM, Vega JM, Hassanein AM (2007). Melanocytic matricoma: a distinctive clinicopathologic entity. *Dermatol Surg.* 33(7):857–63. PMID:17598856
1192. Ivan D, Nash JW, Prieto VG, Calonje E, Lyle S, Diwan AH, et al. (2007). Use of p63 expression in distinguishing primary and metastatic cutaneous adnexal neoplasms from metastatic adenocarcinoma to skin. *J Cutan Pathol.* 34(6):474–80. PMID:17518775
1193. Iwata J, Fletcher CD (2000). Lipidized fibrous histiocytoma: clinicopathologic analysis of 22 cases. *Am J Dermatopathol.* 22(2):126–34. PMID:10770432
1194. Iwata S, Wada K, Tobita S, Gotoh K, Ito Y, Demachi-Okamura A, et al. (2010). Quantitative analysis of Epstein-Barr virus (EBV)-related gene expression in patients with chronic active EBV infection. *J Gen Virol.* 91(Pt 1):42–50. PMID:19793909
1195. Iwatsuki K, Ohtsuka M, Akiba H, Kaneko F (1999). Atypical hydroa vacciniforme in childhood: from a smoldering stage to Epstein-Barr virus-associated lymphoid malignancy. *J Am Acad Dermatol.* 40(2 Pt 1):283–4. PMID:10025766
1196. Iwatsuki K, Satoh M, Yamamoto T, Oono T, Morizane S, Ohtsuka M, et al. (2006). Pathogenic link between hydroa vacciniforme and Epstein-Barr virus-associated hematologic disorders. *Arch Dermatol.* 142(5):587–95. PMID:16702496
1197. Iwatsuki K, Xu Z, Takata M, Iguchi M, Ohtsuka M, Akiba H, et al. (1999). The association of latent Epstein-Barr virus infection with hydroa vacciniforme. *Br J Dermatol.* 140(4):715–21. PMID:10233328
1198. Iwaya M, Uehara T, Yoshizawa A, Kobayashi Y, Momose M, Honda T, et al. (2012). A case of primary signet-ring cell/histiocytoid carcinoma of the eyelid: immunohistochemical comparison with the normal sweat gland and review of the literature. *Am J Dermatopathol.* 34(8):e139–45. PMID:22935888
1199. Izumi M, Ohara K, Hoashi T, Nakayama H, Chiu CS, Nagai T, et al. (2008). Subungual melanoma: histological examination of 50 cases from early stage to bone invasion. *J Dermatol.* 35(11):695–703. PMID:19120763
1200. Izumi T, Oda Y, Hasegawa T, Nakanishi Y, Iwasaki H, Sonobe H, et al. (2006). Prognostic significance of dysadherin expression in epithelioid sarcoma and its diagnostic utility in distinguishing epithelioid sarcoma from malignant rhabdoid tumor. *Mod Pathol.* 19(6):820–31. PMID:16557275
1201. Jacob MC, Chaperot L, Mossuz P, Feuillard J, Valensi F, Leroux D, et al. (2003). CD4+ CD56+ lineage negative malignancies: a new entity developed from malignant early plasmacytoid dendritic cells. *Haematologica.* 88(8):941–55. PMID:12935983
- 1201A. Jacobsen E, Shanmugam V, Jagannathan J (2017). Rosai-Dorfman disease with activating KRAS mutation - response to cobimetinib. *N Engl J Med.* 377(24):2398–9. PMID:29236635
1202. Jacobson MA, Hutcheson AC, Hurray DH, Metcalf JS, Thiers BH (2006). Cutaneous involvement by Burkitt lymphoma. *J Am Acad Dermatol.* 54(6):1111–3. PMID:16713488
1203. Jacoby LB, MacCollin M, Barone R, Ramesh V, Gusella JF (1996). Frequency and distribution of NF2 mutations in schwannomas. *Genes Chromosomes Cancer.* 17(1):45–55. PMID:8889506
1204. Jaffe ES, Arber DA, Campo E, Harris NL, Quintanilla-Martinez L (2017). Primary cutaneous B-cell lymphomas. In: *Hematopathology*. 2nd ed. Oxford: Elsevier.
1205. Jaffe ES, Krenacs L, Raffeld M (2003). Classification of cytotoxic T-cell and natural killer cell lymphomas. *Semin Hematol.* 40(3):175–84. PMID:12876666
1206. Jaffe ES, Wilson WH (1997). Lymphomatoid granulomatosis: pathogenesis, pathology and clinical implications. *Cancer Surv.* 30:233–48. PMID:9547995
1207. Jaffer S, Ambrosini-Spaltro A, Mancini AM, Eusebi V, Rosai J (2009). Neurothekeoma and plexiform fibrohistiocytic tumor: mere histologic resemblance or histogenetic relationship? *Am J Surg Pathol.* 33(6):905–13. PMID:19342943
1208. Jain P, Aoki E, Keating M, Wierda WG, O'Brien S, Gonzalez GN, et al. (2017). Characteristics, outcomes, prognostic factors and treatment of patients with T-cell prolymphocytic leukemia (T-PLL). *Ann Oncol.* 28(7):1554–9. PMID:28379307
1209. Jakobiec FA, Folberg R, Iwamoto T (1989). Clinicopathologic characteristics of premalignant and malignant melanocytic lesions of the conjunctiva. *Ophthalmology.* 96(2):147–66. PMID:2649838
1210. James E, Sokhn JG, Gibson JF, Carlson K, Subtil A, Girardi M, et al. (2015). CD4 + primary cutaneous small/medium-sized pleomorphic T-cell lymphoma: a retrospective case series and review of literature. *Leuk Lymphoma.* 56(4):951–7. PMID:24996443
1211. James MP, Wells GC, Whimster IW (1978). Spreading pigmented actinic keratoses. *Br J Dermatol.* 98(4):373–9. PMID:638043
1212. James WD, Odom RB, Katzstein AL (1981). Cutaneous manifestations of lymphomatoid granulomatosis. Report of 44 cases and a review of the literature. *Arch Dermatol.* 117(4):196–202. PMID:7212740
1213. Jamshidi F, Bashashati A, Shumansky K, Dickson B, Gogok N, Wunder JS, et al. (2016). The genomic landscape of epithelioid sarcoma cell lines and tumours. *J Pathol.* 238(1):63–73. PMID:26365879
1214. Jans SR, Schomerus E, Bygum A (2015). Neurofibromatosis type 1 diagnosed in a child based on multiple juvenile xanthogranulomas and juvenile myelomonocytic leukemia. *Pediatr Dermatol.* 32(1):e29–32. PMID:25516272
1215. Janssen D, Harms D (2005). Juvenile xanthogranuloma in childhood and adolescence: a clinicopathologic study of 129 patients from the Kiel Pediatric Tumor Registry. *Am J Surg Pathol.* 29(1):21–8. PMID:15613853
1216. Jardin F, Ruminy P, Parnier F, Troussard X, Vaida I, Stamatoullas A, et al. (2011). TET2 and TP53 mutations are frequently observed in blastic plasmacytoid dendritic cell neoplasm. *Br J Haematol.* 153(3):413–6. PMID:21275969
1217. Jawhar M, Schwaab J, Schnittger S, Sotlar K, Horny HP, Metzgeroth G, et al. (2015). Molecular profiling of myeloid progenitor cells in multi-mutated advanced systemic mastocytosis identifies KIT D816V as a distinct and late event. *Leukemia.* 29(5):1115–22.



PMID:25567135

**1218.** Jaworski R (1987). Unusual proliferating trichilemmal cyst. *Am J Dermatopathol.* 9(5):459–61. PMID:3688371

**1219.** Jayaraman SS, Rayhan DJ, Hazany S, Kolodney MS (2014). Mutational landscape of basal cell carcinomas by whole-exome sequencing. *J Invest Dermatol.* 134(1):213–20. PMID:23774526

**1220.** Jaye DL, Geigerman CM, Herling M, Eastburn K, Waller EK, Jones D (2006). Expression of the plasmacytoid dendritic cell marker BDCA-2 supports a spectrum of maturation among CD4+ CD56+ hematodermic neoplasms. *Mod Pathol.* 19(12):1555–62. PMID:16998465

**1221.** Jedrych J, Nikiforova M, Kennedy TF, Ho J (2015). Epithelioid cell histiocytoma of the skin with clonal ALK gene rearrangement resulting in VCL-ALK and SQSTM1-ALK gene fusions. *Br J Dermatol.* 172(5):1427–9. PMID:25413595

**1222.** Jegalian AG, Buxbaum NP, Facchetti F, Raffeld M, Pitaluga S, Wayne AS, et al. (2010). Blastic plasmacytoid dendritic cell neoplasm in children: diagnostic features and clinical implications. *Haematologica.* 95(11):1873–9. PMID:20663945

**1223.** Jeltsch M, Kaipainen A, Joukov V, Meng X, Lakso M, Rauvala H, et al. (1997). Hyperplasia of lymphatic vessels in VEGF-C transgenic mice. *Science.* 276(5317):1423–5. PMID:9162011

**1224.** Jeon IS, Davis JN, Braun BS, Sublett JE, Roussel MF, Denny CT, et al. (1995). A variant Ewing's sarcoma translocation (7;22) fuses the EWS gene to the ETS gene ETV1. *Oncogene.* 10(6):1229–34. PMID:7700648

**1225.** Jessup CJ, Redston M, Tilton E, Reimann JD (2016). Importance of universal mismatch repair protein immunohistochemistry in patients with sebaceous neoplasia as an initial screening tool for Muir-Torre syndrome. *Hum Pathol.* 49:1–9. PMID:26826402

**1226.** Jha A, Khunger N, Malarvizhi K, Ramesh V, Singh A (2016). Familial disseminated cutaneous glomovenous malformation: treatment with polidocanol sclerotherapy. *J Cutan Aesthet Surg.* 9(4):266–9. PMID:28163461

**1227.** Jha P, Moosavi C, Fanburg-Smith JC (2007). Giant cell fibroblastoma: an update and addition of 86 new cases from the Armed Forces Institute of Pathology, in honor of Dr. Franz M. Enzinger. *Ann Diagn Pathol.* 11(2):81–8. PMID:17349565

**1228.** Jiao Y, Pawlik TM, Anders RA, Selaru FM, Streppl MM, Lucas DJ, et al. (2013). Exome sequencing identifies frequent inactivating mutations in BAP1, ARID1A and PBRM1 in intrahepatic cholangiocarcinomas. *Nat Genet.* 45(12):1470–3. PMID:24185509

**1229.** Jin X, Li F, Li X, Zhu W, Mou Y, Huang Y, et al. (2017). Cutaneous presentation preceding acute monocytic leukemia: a CARE-compliant article. *Medicine (Baltimore).* 96(10):e6269. PMID:28272239

**1230.** Jo VY, Antonescu CR, Zhang L, Dai C, Hornick JL, Fletcher CD (2013). Cutaneous syncytial myoepithelioma: clinicopathologic characterization in a series of 38 cases. *Am J Surg Pathol.* 37(5):710–8. PMID:23588365

**1231.** Jo VY, Fletcher CD (2015). Epithelioid malignant peripheral nerve sheath tumor: clinicopathologic analysis of 63 cases. *Am J Surg Pathol.* 39(5):673–82. PMID:25602794

**1232.** Johansson P, Aoude LG, Wadt K, Glasson WJ, Warriar SK, Hewitt AW, et al. (2016). Deep sequencing of uveal melanoma identifies a recurrent mutation in PLCB4. *Oncotarget.* 7(4):4624–31. PMID:26683228

**1233.** Johansson PA, Pritchard AL, Patch AM, Wilmott JS, Pearson JV, Waddell N, et al. (2017). Mutation load in melanoma is affected

by MC1R genotype. *Pigment Cell Melanoma Res.* 30(2):255–8. PMID:28024115

**1234.** John AM, Schwartz RA (2016). Muir-Torre syndrome (MTS): an update and approach to diagnosis and management. *J Am Acad Dermatol.* 74(3):558–66. PMID:26892655

**1235.** John I, Folpe AL (2016). Anastomosing hemangiomas arising in unusual locations: a clinicopathologic study of 17 soft tissue cases showing a predilection for the paraspinous region. *Am J Surg Pathol.* 40(8):1084–9. PMID:26945338

**1236.** Johnson BL, Buerger GF Jr (1994). Syringocystadenoma papilliferum of the eyelid. *Am J Ophthalmol.* 118(6):822–3. PMID:7977619

**1237.** Johnson LW (1995). Communal showers and the risk of plantar warts. *J Fam Pract.* 40(2):136–8. PMID:7852935

**1238.** Johnson MD, Kamso-Pratt J, Federspiel CF, Whetsell WO Jr (1989). Mast cell and lymphoreticular infiltrates in neurofibromas. Comparison with nerve sheath tumors. *Arch Pathol Lab Med.* 113(11):1263–70. PMID:2479359

**1239.** Johnson WT, Patel P, Hernandez A, Grandinetti LM, Huen AC, Marks S, et al. (2016). Langerhans cell histiocytosis and Erdheim-Chester disease, both with cutaneous presentations, and papillary thyroid carcinoma all harboring the BRAF(V600E) mutation. *J Cutan Pathol.* 43(3):270–5. PMID:26454140

**1240.** Johnston EE, LeBlanc RE, Kim J, Chung J, Balagtas J, Kim YH, et al. (2015). Subcutaneous panniculitis-like T-cell lymphoma: pediatric case series demonstrating heterogeneous presentation and option for watchful waiting. *Pediatr Blood Cancer.* 62(11):2025–8. PMID:26146844

**1241.** Jokinen CH, Ragsdale BD, Argenyi ZB (2010). Expanding the clinicopathologic spectrum of palisaded encapsulated neuroma. *J Cutan Pathol.* 37(1):43–8. PMID:19614730

**1242.** Joly MO, Attignon V, Saurin JC, Desseigne F, Leroux D, Martin-Denavit T, et al. (2015). Somatic MMR gene mutations as a cause for MSI-H sebaceous neoplasms in Muir-Torre syndrome-like patients. *Hum Mutat.* 36(3):292–5. PMID:25504677

**1243.** Jones CL, Wain EM, Chu CC, Tosi I, Foster R, McKenzie RC, et al. (2010). Downregulation of Fas gene expression in Sézary syndrome is associated with promoter hypermethylation. *J Invest Dermatol.* 130(4):1116–25. PMID:19759548

**1244.** Jones EW, Cerio R, Smith NP (1989). Epithelioid cell histiocytoma: a new entity. *Br J Dermatol.* 120(2):185–95. PMID:2466472

**1245.** Jones EW, Marks R, Pongsehirun D (1975). Naevus superficialis lipomatosis. A clinicopathological report of twenty cases. *Br J Dermatol.* 93(2):121–33. PMID:1235780

**1246.** Jones EW, Orkin M (1989). Tufted angioma (angioblastoma). A benign progressive angioma, not to be confused with Kaposi's sarcoma or low-grade angiosarcoma. *J Am Acad Dermatol.* 20(2 Pt 1):214–25. PMID:2644316

**1247.** Jones MS, Helm KF, Maloney ME (1997). The immunohistochemical characteristics of the basosquamous cell carcinoma. *Dermatol Surg.* 23(3):181–4. PMID:9145960

**1248.** Joyce JC, Keith PJ, Szabo S, Holland KE (2014). Superficial hemisiderotic lymphovascular malformation (hobnail hemangioma): a report of six cases. *Pediatr Dermatol.* 31(3):281–5. PMID:24601986

**1249.** Julia F, Dalle S, Duru G, Balme B, Vergier B, Ortonne N, et al. (2014). Blastic plasmacytoid dendritic cell neoplasms: clinic-immunohistochemical correlations in a series of 91 patients. *Am J Surg Pathol.* 38(5):673–80. PMID:24441662

**1250.** Julia F, Petrella T, Beylot-Barry M, Bagot M, Lipsker D, Machel L, et al. (2013).

Blastic plasmacytoid dendritic cell neoplasm: clinical features in 90 patients. *Br J Dermatol.* 169(3):579–86. PMID:23646868

**1251.** Jung HJ, Kweon SS, Lee JB, Lee SC, Yun SJ (2013). A clinicopathologic analysis of 177 acral melanomas in Koreans: relevance of spreading pattern and physical stress. *JAMA Dermatol.* 149(11):1281–8. PMID:24067997

**1252.** Jurecka W (1988). Pigmented neurofibroma. *J Dermatol.* 15(2):172–9. PMID:3049734

**1253.** Jurecka W (1988). Plexiform neurofibroma of the skin. *Am J Dermatopathol.* 10(3):209–17. PMID:3068997

**1254.** Kaasinen E, Aavikko M, Vahteristo P, Patama T, Li Y, Saarinen S, et al. (2013). Nationwide registry-based analysis of cancer clustering detects strong familial occurrence of Kaposi sarcoma. *PLoS One.* 8(1):e55209. PMID:23365693

**1255.** Kacerovska D, Kazakov DV, Kutzner H, Michal M (2010). Spiranoma with marked adenomyoepitheliomatous features. *Am J Dermatopathol.* 32(7):744–6. PMID:20859082

**1256.** Kacerovska D, Kazakov DV, Michal M (2010). Spindle-cell predominant trichodiscoma with a palisaded arrangement of stromal cells. *Am J Dermatopathol.* 32(7):743–4. PMID:20644461

**1257.** Kacerovska D, Nemcova J, Pomahacova R, Michal M, Kazakov DV (2008). Cutaneous and superficial soft tissue lesions associated with Albright hereditary osteodystrophy: clinicopathological and molecular genetic study of 4 cases, including a novel mutation of the GNAS gene. *Am J Dermatopathol.* 30(5):417–24. PMID:18806481

**1258.** Kacerovska D, Szepe P, Vanecek T, Nemcova J, Michal M, Mukensnabl P, et al. (2008). Spiranocylindroma-like basaloid carcinoma of the anus and rectum: case report, including HPV studies and analysis of the CYLD gene mutations. *Am J Dermatopathol.* 30(5):472–6. PMID:18806492

**1259.** Kaddu S, Dong H, Mayer G, Kerl H, Cerroni L (2002). Warty dyskeratoma—"follicular dyskeratoma": analysis of clinicopathologic features of a distinctive follicular adnexal neoplasm. *J Am Acad Dermatol.* 47(3):423–8. PMID:12196754

**1260.** Kaddu S, Leinweber B (2009). Podoplanin expression in fibrous histiocytomas and cellular neurothekeomas. *Am J Dermatopathol.* 31(2):137–9. PMID:19318798

**1261.** Kaddu S, McMennamin ME, Fletcher CD (2002). Atypical fibrous histiocytoma of the skin: clinicopathologic analysis of 59 cases with evidence of infrequent metastasis. *Am J Surg Pathol.* 26(1):35–46. PMID:11756767

**1262.** Kaddu S, Smolle J, Cerroni L, Kerl H (1996). Prognostic evaluation of specific cutaneous infiltrates in B-chronic lymphocytic leukemia. *J Cutan Pathol.* 23(6):487–94. PMID:9001978

**1263.** Kaddu S, Zenahlik P, Beham-Schmid C, Kerl H, Cerroni L (1999). Specific cutaneous infiltrates in patients with myelogenous leukemia: a clinicopathologic study of 26 patients with assessment of diagnostic criteria. *J Am Acad Dermatol.* 40(6 Pt 1):966–78. PMID:10365929

**1264.** Kadin ME, Hughey LC, Wood GS (2014). Large-cell transformation of mycosis fungoides-differential diagnosis with implications for clinical management: a consensus statement of the US Cutaneous Lymphoma Consortium. *J Am Acad Dermatol.* 70(2):374–6. PMID:24438952

**1265.** Kadin ME, Pinkus JL, Pinkus GS, Duran IH, Fuller CE, Onciu M, et al. (2008). Primary cutaneous ALCL with phosphorylated/activated cytoplasmic ALK and novel phenotype:

EMA/MUC1+, cutaneous lymphocyte antigen negative. *Am J Surg Pathol.* 32(9):1421–4. PMID:18670345

**1266.** Kadin ME, Vonderheid EC, Weiss LM (1993). Absence of Epstein-Barr viral RNA in lymphomatoid papulosis. *J Pathol.* 170(2):145–8. PMID:8393923

**1267.** Kakavand H, Wilmott JS, Long GV, Sawyer RA (2016). Targeted therapies and immune checkpoint inhibitors in the treatment of metastatic melanoma patients: a guide and update for pathologists. *Pathology.* 48(2):194–202. PMID:27020392

**1268.** Kalirai H, Dodson A, Faqir S, Darabi BE, Coupland SE (2014). Lack of BAP1 protein expression in uveal melanoma is associated with increased metastatic risk and has utility in routine prognostic testing. *Br J Cancer.* 111(7):1373–80. PMID:25058347

**1269.** Kamalpour L, Brindise RT, Nodzenski W, Bach DO, Veledar E, Alam M (2014). Primary cutaneous mucinous carcinoma: a systematic review and meta-analysis of outcome after surgery. *JAMA Dermatol.* 150(4):380–4. PMID:24452370

**1270.** Kamarashev J, French LE, Dummer R, Kerl K (2009). Symplastic glomus tumor—a rare but distinct benign histological variant with analogy to other "ancient" benign skin neoplasms. *J Cutan Pathol.* 36(10):1095–102. PMID:19602065

**1271.** Kamino H, Jacobson M (1990). Dermatofibroma extending into the subcutaneous tissue. Differential diagnosis from dermatofibrosarcoma protuberans. *Am J Surg Pathol.* 14(12):1156–64. PMID:2252106

**1272.** Kamino H, Lee JY, Berke A (1992). Pleomorphic fibroma of the skin: a benign neoplasm with cytologic atypia. A clinicopathologic study of eight cases. *Am J Surg Pathol.* 13(2):107–13. PMID:2916726

**1273.** Kamino H, Reddy VB, Gerz W, Gross WM (1992). Dermatofibroma. A benign cutaneous, plaque-like proliferation of fibroblasts and myofibroblasts in young adults. *J Cutan Pathol.* 19(2):85–93. PMID:1597573

**1274.** Kamińska-Winciorek G, Szymanski J (2014). Dermoscopy of halo nevus in vivo observation. *Postepy Dermatol Alerg.* 31(3):152–8. PMID:25097486

**1275.** Kamyab-Hesari K, Seirafi H, Naraghi Z, Shahshahani MM, Rahbar Z, Danavand M, et al. (2014). Diagnostic accuracy of punch biopsy in subtyping basal cell carcinoma. *Eur Acad Dermatol Venerol.* 25(2):251–4. PMID:22989368

**1276.** Kanazawa T, Hiramatsu Y, Iwata S, Sueda M, Sato Y, Suzuki M, et al. (2014). Anti-CCR4 monoclonal antibody mogamulizumab for the treatment of EBV-associated T-cell NK-cell lymphoproliferative diseases. *Clin Cancer Res.* 20(19):5075–84. PMID:25117294

**1277.** Kaneko Y, Yoshida K, Handa M, Toyooka Y, Nishihira H, Tanaka Y, et al. (1996). Fusion of an ETS-family gene, EIAF, to EMS1 in t(17;22)(q12;q12) chromosome translocation in an undifferentiated sarcoma of infancy. *Genes Chromosomes Cancer.* 15(2):155–62. PMID:8834175

**1278.** Kang HC, Quigley DA, Kim JJ, Nishibayashi Y, Ferguson-Smith MA, D'Alessandro M, et al. (2013). Multiple self-healing squamous epithelioma (MSSE): rare variants in an adjacent region of chromosome 9q22.3 to 9q31. TGFBR1 mutations suggest a digenic inheritance locus etiology. *J Invest Dermatol.* 133(7):1907–10. PMID:23358096

**1279.** Kang Z, Xu F, Zhang QA, Wu Z, Zhang X, Xu J, et al. (2013). Oncogenic mutations in extramammary Paget's disease and their clinical relevance. *Int J Cancer.* 132(4):824–30. PMID:22821211



1280. Kanitakis J, Chouvet B (2007). Expression of p63 in cutaneous metastases. *Am J Clin Pathol.* 128(5):753–8. PMID:17951196
1281. Kanitakis J, Euvrard S, Sebbag L, Claudy A (2007). Trichilemmal carcinoma of the skin mimicking a keloid in a heart transplant recipient. *J Heart Lung Transplant.* 26(6):649–51. PMID:17543793
1282. Kao GF, Helwig EB, Graham JH (1987). Aggressive digital papillary adenoma and adenocarcinoma. A clinicopathological study of 57 patients, with histochemical, immunopathological, and ultrastructural observations. *J Cutan Pathol.* 14(3):129–46. PMID:3301927
1283. Kao GF, Laskin WB, Olsen TG (1989). Solitary cutaneous plexiform neurilemmoma (schwannoma): a clinicopathologic, immunohistochemical, and ultrastructural study of 11 cases. *Mod Pathol.* 2(1):20–6. PMID:2493641
1284. Karagas MR, Zens MS, Li Z, Stukel TA, Perry AE, Gilbert-Diamond D, et al. (2014). Early-onset basal cell carcinoma and indoor tanning: a population-based study. *Pediatrics.* 134(1):e4–12. PMID:24958589
1285. Karai LJ, Kadin ME, Hsi ED, Sluzevich JC, Ketterling RP, Knudson RA, et al. (2013). Chromosomal rearrangements of 6p25.3 define a new subtype of lymphomatoid papulosis. *Am J Surg Pathol.* 37(8):1173–81. PMID:23648461
1286. Karl L, Loboda A, Nebozhyn M, Rook AH, Vonderheid EC, Nichols C, et al. (2003). Classification and prediction of survival in patients with the leukemic phase of cutaneous T cell lymphoma. *J Exp Med.* 197(11):1477–88. PMID:12782714
1287. Kashima M, Takahama H, Baba T, Egawa K, Kitasato H, Murakami Y, et al. (2003). Detection of human papillomavirus type 57 in the tissue of a plantar epidermoid cyst. *Dermatology.* 207(2):185–7. PMID:12920371
1288. Kato H, Mizuno N, Nakagawa K, Furukawa M, Hamada T (1990). Microcystic adnexal carcinoma: a light microscopic, immunohistochemical and ultrastructural study. *J Cutan Pathol.* 17(2):87–95. PMID:2187025
1289. Kato I, Yoshida A, Ikegami M, Okuma T, Nonooka A, Horiguchi S, et al. (2016). FOSL1 immunohistochemistry clarifies the distinction between desmoplastic fibroblastoma and fibroma of tendon sheath. *Histopathology.* 69(6):1012–20. PMID:27442992
1290. Kato N, Ueno H (1993). Infundibulocystic basal cell carcinoma. *Am J Dermatopathol.* 15(3):265–7. PMID:8517497
1291. Katona TM, Perkins SM, Billings SD (2008). Does the panel of cytokeratin 20 and androgen receptor antibodies differentiate desmoplastic trichoepithelioma from morpheiform/infiltrative basal cell carcinoma? *J Cutan Pathol.* 35(2):174–9. PMID:18190441
1292. Katsuya H, Ishitsuka K, Utsunomiya A, Hanada S, Eto T, Moriuchi Y, et al. (2015). Treatment and survival among 1594 patients with ATL. *Blood.* 126(24):2570–7. PMID:26361794
1293. Katsuya H, Shimokawa M, Ishitsuka K, Kawai K, Amano M, Utsunomiya A, et al. (2017). Prognostic index for chronic- and smoldering-type adult T-cell leukemia-lymphoma. *Blood.* 130(1):39–47. PMID:28515095
1294. Katzenstein AL, Carrington CB, Liebow AA (1979). Lymphomatoid granulomatosis: a clinicopathological study of 152 cases. *Cancer.* 43(1):360–73. PMID:761171
1295. Katzenstein AL, Duxtader E, Narendra S (2010). Lymphomatoid granulomatosis: insights gained over 4 decades. *Am J Surg Pathol.* 34(12):e35–48. PMID:21107080
1296. Kawabe S, Ito Y, Gotoh K, Kojima S, Matsumoto K, Kinoshita T, et al. (2012). Application of flow cytometric in situ hybridization assay to Epstein-Barr virus-associated T/natural killer cell lymphoproliferative diseases. *Cancer Sci.* 103(8):1481–8. PMID:22497716
1297. Kazakov DV (2012). Mammary Paget's disease. In: Kazakov DV, Michal M, Kacerovska D, McKee PH, editors. *Cutaneous adnexal tumors.* Philadelphia: Lippincott Williams & Wilkins; pp. 451–543.
1298. Kazakov DV (2016). Brooke-Spiegler syndrome and phenotypic variants: an update. *Head Neck Pathol.* 10(2):125–30. PMID:26971504
1299. Kazakov DV, Belousova IE, Bisceglia M, Calonje E, Emberger M, Grayson W, et al. (2007). Apocrine mixed tumor of the skin ("mixed tumor of the folliculosebaceous-apocrine complex"). Spectrum of differentiations and metaplastic changes in the epithelial, myoepithelial, and stromal components based on a histopathologic study of 244 cases. *J Am Acad Dermatol.* 57(3):467–83. PMID:17707152
1300. Kazakov DV, Belousova IE, Müller B, Palmedo G, Samtsov AV, Burg G, et al. (2002). Primary cutaneous plasmacytoma: a clinicopathological study of two cases with a long-term follow-up and review of the literature. *J Cutan Pathol.* 29(4):244–8. PMID:12028158
1301. Kazakov DV, Belousova IE, Sima R, Michal M (2006). Mammary type tubulolobular carcinoma of the anogenital area: report of a case of a unique tumor presumably originating in anogenital mammarylike glands. *Am J Surg Pathol.* 30(9):1193–6. PMID:16931966
1302. Kazakov DV, Bisceglia M, Calonje E, Hantschke M, Kutzner H, Mentzel T, et al. (2007). Tubular adenoma and syringocystadenoma papilliferum: a reappraisal of their relationship. An interobserver study of a series, by a panel of dermatopathologists. *Am J Dermatopathol.* 29(3):256–63. PMID:17519623
1303. Kazakov DV, Bisceglia M, Mukensnabl P, Michal M (2005). Pseudoangiomatous stromal hyperplasia in lesions involving anogenital mammary-like glands. *Am J Surg Pathol.* 29(9):1243–6. PMID:16096415
1304. Kazakov DV, Bisceglia M, Sima R, Michal M (2006). Adenosis tumor of anogenital mammary-like glands: a case report and demonstration of clonality by HUMARA assay. *J Cutan Pathol.* 33(1):43–6. PMID:16441411
1305. Kazakov DV, Bisceglia M, Spagnolo DV, Kutzner H, Belousova IE, Hes O, et al. (2007). Apocrine mixed tumors of the skin with architectural and/or cytologic atypia: a retrospective clinicopathologic study of 18 cases. *Am J Surg Pathol.* 31(7):1094–102. PMID:17592277
1306. Kazakov DV, Bouda J Jr, Kacerovska D, Michal M (2011). Vulvar syringomas with deep extension: a potential histopathologic mimic of microcystic adnexal carcinoma. *Int J Gynecol Pathol.* 30(1):92–4. PMID:21131826
1307. Kazakov DV, Calonje E, Rütten A, Glatz K, Michal M (2007). Cutaneous sebaceous neoplasms with a focal glandular pattern (seboapocrine lesions): a clinicopathological study of three cases. *Am J Dermatopathol.* 29(4):359–64. PMID:17667168
1308. Kazakov DV, Calonje E, Zelger B, Luzar B, Belousova IE, Mukensnabl P, et al. (2007). Sebaceous carcinoma arising in nevus sebaceus of Jadassohn: a clinicopathological study of five cases. *Am J Dermatopathol.* 29(3):242–8. PMID:17519621
1309. Kazakov DV, Grossmann P, Spagnolo DV, Vanecek T, Vazmitel M, Kacerovska D, et al. (2010). Expression of p53 and TP53 mutational analysis in malignant neoplasms arising in preexisting spiradenoma, cylindroma, and spiradenocylindroma, sporadic or associated with Brooke-Spiegler syndrome. *Am J Dermatopathol.* 32(3):215–21. PMID:20075707
1310. Kazakov DV, Hantschke M, Vanecek T, Kacerovska D, Michal M (2010). Mammary-type secretory carcinoma of the skin. *Am J Surg Pathol.* 34(8):1226–8. PMID:20631609
1311. Kazakov DV, Hügel H, Vanecek T, Michal M (2006). Unusual hyperplasia of anogenital mammary-like glands. *Am J Dermatopathol.* 28(2):134–7. PMID:16625075
1312. Kazakov DV, Ivan D, Kutzner H, Spagnolo DV, Grossmann P, Vanecek T, et al. (2009). Cutaneous hidradenocarcinoma: a clinicopathological, immunohistochemical, and molecular biologic study of 14 cases, including Her2/neu gene expression/amplification, TP53 gene mutation analysis, and t(11;19) translocation. *Am J Dermatopathol.* 31(3):236–47. PMID:19384064
1313. Kazakov DV, Kacerovska D, Hantschke M, Zelger B, Kutzner H, Requena L, et al. (2011). Cutaneous mixed tumor, eccrine variant: a clinicopathologic and immunohistochemical study of 50 cases, with emphasis on unusual histopathologic features. *Am J Dermatopathol.* 33(6):557–68. PMID:21697702
1314. Kazakov DV, Kacerovska D, Michal M (2011). Microcystic adnexal carcinoma with multiple areas of follicular differentiation toward germinative cells and specific follicular stroma (trichoblastomatous areas). *Am J Dermatopathol.* 33(4):e47–9. PMID:21252639
1315. Kazakov DV, Kacerovska D, Skalova A, Zelger B, Schaller J, Shelekhova K, et al. (2011). Cutaneous apocrine mixed tumor with intravascular tumor deposits: a diagnostic pitfall. *Am J Dermatopathol.* 33(8):775–9. PMID:21785330
1316. Kazakov DV, Kempf W, Michal M (2004). Low-grade trichoblastic carcinosarcoma of the skin. *Am J Dermatopathol.* 26(4):304–9. PMID:15249861
1317. Kazakov DV, Kutzner H, Rütten A, Mukensnabl P, Michal M (2005). Carcinoid-like pattern in sebaceous neoplasms: another distinctive, previously unrecognized pattern in extraocular sebaceous carcinoma and sebaceousoma. *Am J Dermatopathol.* 27(3):195–203. PMID:15900121
1318. Kazakov DV, Kutzner H, Spagnolo DV, Kempf W, Zelger B, Mukensnabl P, et al. (2008). Sebaceous differentiation in poroid neoplasms: report of 11 cases, including a case of metaplastic carcinoma associated with apocrine poroma (sarcomatoid apocrine porocarcinoma). *Am J Dermatopathol.* 30(1):21–6. PMID:18212539
1319. Kazakov DV, Kutzner H, Spagnolo DV, Rütten A, Mukensnabl P, Michal M (2010). What is extraocular cutaneous sebaceous carcinoma in situ? *Am J Dermatopathol.* 32(8):857–8. PMID:20966738
1320. Kazakov DV, Magro G, Kutzner H, Spagnolo DV, Yang Y, Zaspas O, et al. (2008). Spiradenoma and spiradenocylindroma with an adenomatous or atypical adenomatous component: a clinicopathological study of 6 cases. *Am J Dermatopathol.* 30(5):436–41. PMID:18806484
1321. Kazakov DV, Mentzel T, Erlanson RA, Mukensnabl P, Michal M (2006). Clear cell trichoblastoma: a clinicopathological and ultrastructural study of two cases. *Am J Dermatopathol.* 28(3):197–201. PMID:16778484
1322. Kazakov DV, Michal M, Kacerovska D, McKee PH, editors (2012). *Cutaneous adnexal tumors.* Philadelphia: Lippincott Williams & Wilkins.
1323. Kazakov DV, Plaza JA, Suster S, Kacerovska D, Michal M (2011). Cutaneous cribriform carcinoma: a short comment. *J Am Acad Dermatol.* 64(3):599–601. PMID:21315957
1324. Kazakov DV, Requena L, Kutzner H, Fernandez-Figueras MT, Kacerovska D, Mentzel T, et al. (2010). Morphologic diversity of syringocystadenocarcinoma papilliferum based on a clinicopathologic study of 6 cases and review of the literature. *Am J Dermatopathol.* 32(4):340–7. PMID:20216201
1325. Kazakov DV, Sima R, Vanecek T, Kutzner H, Palmedo G, Kacerovska D, et al. (2009). Mutations in exon 3 of the CTNNB1 gene (beta-catenin gene) in cutaneous adnexal tumors. *Am J Dermatopathol.* 31(3):248–55. PMID:19384065
1326. Kazakov DV, Soukup R, Mukensnabl P, Boudova L, Michal M (2005). Brooke-Spiegler syndrome: report of a case with combined lesions containing cylindromatous, spiradenomatous, trichoblastomatous, and sebaceous differentiation. *Am J Dermatopathol.* 27(1):27–33. PMID:15677973
1327. Kazakov DV, Spagnolo DV, Kacerovska D, Michal M (2011). Lesions of anogenital mammary-like glands: an update. *Adv Anat Pathol.* 18(1):1–28. PMID:21169735
1328. Kazakov DV, Spagnolo DV, Stewart CJ, Thompson J, Agaimy A, Magro G, et al. (2010). Fibroadenoma and phylloides tumors of anogenital mammary-like glands: a series of 13 neoplasms in 12 cases, including mammary-type juvenile fibroadenoma, fibroadenoma with lactation changes, and neurofibromatosis-associated pseudoangiomatous stromal hyperplasia with multinucleated giant cells. *Am J Surg Pathol.* 34(1):95–103. PMID:20035149
1329. Kazakov DV, Suster S, LeBoit PE, Calonje E, Bisceglia M, Kutzner H, et al. (2005). Mucinous carcinoma of the skin, primary, and secondary: a clinicopathologic study of 63 cases with emphasis on the morphologic spectrum of primary cutaneous forms: homologies with mucinous lesions in the breast. *Am J Surg Pathol.* 29(6):764–82. PMID:15897743
1330. Kazakov DV, Vanecek T, Nemcova J, Kacerovska D, Spagnolo DV, Mukensnabl P, et al. (2009). Spectrum of tumors with follicular differentiation in a patient with the clinical phenotype of multiple familial trichoepitheliomas: a clinicopathological and molecular biological study, including analysis of the CYLD and PTCH genes. *Am J Dermatopathol.* 31(8):819–27. PMID:19730223
1331. Kazakov DV, Vanecek T, Zelger B, Carlson JA, Spagnolo DV, Schaller J, et al. (2011). Multiple (familial) trichoepitheliomas: a clinicopathological and molecular biological study, including CYLD and PTCH gene analysis, of a series of 16 patients. *Am J Dermatopathol.* 33(3):251–65. PMID:21389835
1332. Kazakov DV, Vitay G, Michal M, Calonje E (2008). High-grade trichoblastic carcinosarcoma. *Am J Dermatopathol.* 30(1):62–4. PMID:18212548
1333. Kazakov DV, Zelger B, Rütten A, Vazmitel M, Spagnolo DV, Kacerovska D, et al. (2009). Morphologic diversity of malignant neoplasms arising in preexisting spiradenoma, cylindroma, and spiradenocylindroma based on the study of 24 cases, sporadic or occurring in the setting of Brooke-Spiegler syndrome. *Am J Surg Pathol.* 33(5):705–19. PMID:19194280
1334. Ke H, Kazi JU, Zhao H, Sun J (2016). Germline mutations of KIT in gastrointestinal stromal tumor (GIST) and mastocytosis. *Cell Biosci.* 6:55. PMID:27777718
1335. Keasbey LE (1953). Juvenile aponeurotic fibroma (calcifying fibroma); a distinctive tumor arising in the palms and soles of young children. *Cancer.* 6(2):338–46. PMID:13032926
1336. Keasbey LE, Hadley GG (1954). Clearcell hidradenoma; report of three cases with widespread metastases. *Cancer.* 7(5):934–52. PMID:13199772
1337. Kehrer-Sawatzki H, Farschtschi S, Mautner VF, Cooper DN (2017). The molecular pathogenesis of schwannomatosis, a paradigm for the co-involvement of multiple tumour suppressor genes in tumorigenesis. *Hum Genet.*



136(2):129–48. PMID:27921248

- 1338.** Kempf W (2006). CD30+ lymphoproliferative disorders: histopathology, differential diagnosis, new variants, and simulators. *J Cutan Pathol.* 33 Suppl 1:58–70. PMID:16412214
- 1339.** Kempf W (2014). Cutaneous CD30-positive lymphoproliferative disorders. *Surg Pathol Clin.* 7(2):203–28. PMID:26837199
- 1340.** Kempf W (2017). A new era for cutaneous CD30-positive T-cell lymphoproliferative disorders. *Semin Diagn Pathol.* 34(1):22–35. PMID:27993440
- 1341.** Kempf W, Kadin ME, Kutzner H, Lord CL, Burg G, Letvin NL, et al. (2001). Lymphomatoid papulosis and human herpesviruses—a PCR-based evaluation for the presence of human herpesvirus 6, 7 and 8 related herpesviruses. *J Cutan Pathol.* 28(1):29–33. PMID:11168749
- 1342.** Kempf W, Kazakov DV, Baumgartner HP, Kutzner H (2013). Follicular lymphomatoid papulosis revisited: a study of 11 cases, with new histopathological findings. *J Am Acad Dermatol.* 68(5):809–16. PMID:23375516
- 1343.** Kempf W, Kazakov DV, Buechner SA, Graf M, Zettl A, Zimmermann DR, et al. (2014). Primary cutaneous marginal zone lymphoma in children: a report of 3 cases and review of the literature. *Am J Dermatopathol.* 36(8):661–6. PMID:24698939
- 1344.** Kempf W, Kazakov DV, Cozzio A, Kamarashev J, Kerl K, Plaza T, et al. (2013). Primary cutaneous CD8(+) small- to medium-sized lymphoproliferative disorder in extrafacial sites: clinicopathologic features and concept on their classification. *Am J Dermatopathol.* 35(2):159–66. PMID:22885550
- 1345.** Kempf W, Kazakov DV, Hübscher E, Tinguely M (2015). Cutaneous borreliosis with a T-cell-rich infiltrate and simultaneous involvement by B-cell chronic lymphocytic leukemia with t(14;18)(q32;q21). *Am J Dermatopathol.* 37(9):715–8. PMID:25171429
- 1346.** Kempf W, Kazakov DV, Schärer L, Rütten A, Mentzel T, Paredes BE, et al. (2013). Angioinvasive lymphomatoid papulosis: a new variant simulating aggressive lymphomas. *Am J Surg Pathol.* 37(1):1–13. PMID:23026936
- 1347.** Kempf W, Ostheeren-Michaelis S, Paulli M, Lucioni M, Wechsler J, Audring H, et al. (2008). Granulomatous mycosis fungoides and granulomatous slack skin: a multicenter study of the Cutaneous Lymphoma Histopathology Task Force Group of the European Organization for Research and Treatment of Cancer (EORTC). *Arch Dermatol.* 144(12):1609–17. PMID:19075143
- 1348.** Kempf W, Pfaltz K, Vermeer MH, Cozzio A, Ortiz-Romero PL, Bagot M, et al. (2011). EORTC, ISCL, and USCLC consensus recommendations for the treatment of primary cutaneous CD30-positive lymphoproliferative disorders: lymphomatoid papulosis and primary cutaneous anaplastic large-cell lymphoma. *Blood.* 118(15):4024–35. PMID:21841159
- 1349.** Kenawy N, Lake SL, Coupland SE, Damato BE (2013). Conjunctival melanoma and melanocytic intra-epithelial neoplasia. *Eye (Lond).* 27(2):142–52. PMID:23222568
- 1350.** Keough KM, Parsons CS, Tweeddale MG (1989). Interactions between plasma proteins and pulmonary surfactant: pulsating bubble studies. *Can J Physiol Pharmacol.* 67(6):663–8. PMID:2476209
- 1351.** Kesserwan C, Sokolic R, Cowen EW, Garabedian E, Heselmeyer-Haddad K, Lee CC, et al. (2012). Multicentric dermatofibrosarcoma protuberans in patients with adenosine deaminase-deficient severe combined immune deficiency. *J Allergy Clin Immunol.* 129(3):762–9. e1. PMID:22153773
- 1352.** Khalil FK, Keehn CA, Saeed S, Morgan MB (2005). Verrucous psoriasis: a distinctive clinicopathologic variant of psoriasis. *Am J Dermatopathol.* 27(3):204–7. PMID:15900122
- 1353.** Khandelwal A, Seilstad KH, Magro CM (2006). Subclinical chronic lymphocytic leukaemia associated with a 13q deletion presenting initially in the skin: apropos of a case. *J Cutan Pathol.* 33(3):256–9. PMID:16466516
- 1354.** Khoury JD, Medeiros LJ, Manning JT, Sulak LE, Bueso-Ramos C, Jones D (2002). CD56(+) TdT(+) blastic natural killer cell tumor of the skin: a primitive systemic malignancy related to myelomonocytic leukemia. *Cancer.* 94(9):2401–8. PMID:12015765
- 1355.** Kiel MJ, Sahasrabudhe AA, Rolland DC, Velusamy T, Chung F, Schaller M, et al. (2015). Genomic analyses reveal recurrent mutations in epigenetic modifiers and the JAK-STAT pathway in Sézary syndrome. *Nat Commun.* 6:8470. PMID:26415585
- 1356.** Kikuchi I (1980). Mongolian spots remaining in schoolchildren a statistical survey in Central Okinawa. *J Dermatol.* 7(3):213–6. PMID:6997352
- 1357.** Kikuchi I, Inoue S, Sakaguchi E, Ono T (1993). Regressing nevus nail melanosis in childhood. *Dermatology.* 186(2):88–93. PMID:8428053
- 1358.** Kilcline C, Frieden IJ (2008). Infantile hemangiomas: how common are they? A systematic review of the medical literature. *Pediatr Dermatol.* 25(2):168–73. PMID:18429772
- 1359.** Kilkenny M, Merlin K, Young R, Marks R (1998). The prevalence of common skin conditions in Australian school students: 1. Common, plane and plantar viral warts. *Br J Dermatol.* 138(5):840–5. PMID:9666831
- 1360.** Kim BK, Surti U, Pandya A, Cohen J, Rabkin MS, Swerdlow SH (2005). Clinicopathologic, immunophenotypic, and molecular cytogenetic fluorescence in situ hybridization analysis of primary and secondary cutaneous follicular lymphomas. *Am J Surg Pathol.* 29(1):69–82. PMID:15613857
- 1361.** Kim DH, Kim MY, Park YM, Kim HO (2006). Agminated lobular capillary hemangiomas presumably associated with an acquired arteriovenous malformation. *J Dermatol.* 33(9):646–8. PMID:16958814
- 1362.** Kim HJ, Lee M, Lee MG (2016). A twist on piloleiomyoma: segmental cutaneous leiomyomatosis. *J Cutan Pathol.* 43(11):1083–5. PMID:27584971
- 1363.** Kim J, McCarthy SW, Thompson JF, Pupo GM, Vonthethoff L, Nash P, et al. (2012). Cellular blue nevus involving the urinary bladder. *Pathology.* 44(7):664–8. PMID:23172087
- 1364.** Kim J, Taube JM, McCalmont TH, Glusac EJ (2011). Quantitative comparison of MITF, Melan-A, HMB-45 and Mel-5 in solar lentigines and melanoma in situ. *J Cutan Pathol.* 38(10):775–9. PMID:21797920
- 1365.** Kim NH, Choi YD, Seon HJ, Lee JB, Yun SJ (2017). Anatomic mapping and clinicopathologic analysis of benign acral melanocytic neoplasms: a comparison between adults and children. *J Am Acad Dermatol.* 77(4):735–45. PMID:28676327
- 1366.** Kim SY, Yun SJ (2016). Cutaneous melanoma in Asians. *Chonnam Med J.* 52(3):185–93. PMID:27689028
- 1367.** Kim YC, Lee MG, Choe SW, Lee MC, Chung HG, Cho SH (2003). Acral lentiginous melanoma: an immunohistochemical study of 20 cases. *Int J Dermatol.* 42(2):123–9. PMID:12709000
- 1368.** Kim YD, Lee EJ, Song MH, Suhr KB, Lee JH, Park JK (2002). Multiple eccrine hydrocystomas associated with Graves' disease. *Int J Dermatol.* 41(5):295–7. PMID:12100710
- 1368A.** Kim YH, Willemze R, Pimpinelli N, Whitaker S, Olsen EA, Ranki A, et al. (2007). TNM classification system for primary cutaneous lymphomas other than mycosis fungoides and Sezary syndrome: a proposal of the International Society for Cutaneous Lymphomas (ISCL) and the Cutaneous Lymphoma Task Force of the European Organization of Research and Treatment of Cancer (EORTC). *Blood.* 110(2):479–84. PMID:17339420
- 1369.** Kim YM, Ramirez JA, Mick JE, Giebler HA, Yan JP, Nyborg JK (2007). Molecular characterization of the Tax-containing HTLV-1 enhancer complex reveals a prominent role for CREB phosphorylation in Tax transactivation. *J Biol Chem.* 282(26):18750–7. PMID:17449469
- 1370.** Kimonis VE, Goldstein AM, Pastakia B, Yang ML, Kase R, DiGiovanna JJ, et al. (1997). Clinical manifestations in 105 persons with nevusoid basal cell carcinoma syndrome. *Am J Med Genet.* 69(3):299–308. PMID:9096761
- 1371.** Kimura H, Ito Y, Kawabe S, Gotoh K, Takahashi Y, Kojima S, et al. (2012). EBV-associated T/NK-cell lymphoproliferative diseases in nonimmunocompromised hosts: prospective analysis of 108 cases. *Blood.* 119(3):673–86. PMID:22096243
- 1372.** Kindblom LG, Meis-Kindblom JM (1995). Chondroid lipoma: an ultrastructural and immunohistochemical analysis with further observations regarding its differentiation. *Hum Pathol.* 26(7):706–15. PMID:7628841
- 1373.** Kindem S, Traves V, Requena C, Alcalá R, Llombart B, Serra-Guillén C, et al. (2014). Bilateral cauliflower ear as the presenting sign of B-cell chronic lymphocytic leukemia. *J Cutan Pathol.* 41(2):73–7. PMID:24460879
- 1374.** King CM, Johnston JS, Ofili K, Tam M, Palefsky J, Da Costa M, et al. (2014). Human papillomavirus types 2, 27, and 57 identified in plantar verrucae from HIV-positive and HIV-negative individuals. *J Am Podiatr Med Assoc.* 104(2):141–6. PMID:24725033
- 1375.** King R, Hayzen BA, Page RN, Googe PB, Zeagler D, Mihm MC Jr (2009). Recurrent nevus phenomenon: a clinicopathologic study of 357 cases and histologic comparison with melanoma with regression. *Mod Pathol.* 22(5):611–7. PMID:19270643
- 1376.** Kinsler VA, Krengel S, Riviere JB, Waelchli R, Chapusot C, Al-Olabi L, et al. (2014). Next-generation sequencing of nevus spilus-type congenital melanocytic nevus: exquisite genotype-phenotype correlation in mosaic RASopathies. *J Invest Dermatol.* 134(10):2658–60. PMID:24751729
- 1377.** Kinsler VA, O'Hare P, Bulstrode N, Calonje JE, Chong WK, Hargrave D, et al. (2017). Melanoma in congenital melanocytic naevi. *Br J Dermatol.* 176(5):1131–43. PMID:28078671
- 1378.** Kinsler VA, Thomas AC, Ishida M, Bulstrode NW, Loughlin S, Hing S, et al. (2013). Multiple congenital melanocytic nevi and neurocutaneous melanosis are caused by postzygotic mutations in codon 61 of NRAS. *J Invest Dermatol.* 133(9):2229–36. PMID:23392294
- 1379.** Kirby JS, Siebert Lucking SM, Billingsley EM (2012). Trichoblastic carcinoma associated with multiple familial trichoepithelioma. *Dermatol Surg.* 38(12):2018–21. PMID:22849566
- 1380.** Kirschner LS, Carney JA, Pack SD, Taymans SE, Giatzakis C, Cho YS, et al. (2000). Mutations of the gene encoding the protein kinase A type I-alpha regulatory subunit in patients with the Carney complex. *Nat Genet.* 26(1):89–92. PMID:10973256
- 1381.** Kirschner LS, Sandrini F, Monbo J, Lin JP, Carney JA, Stratakis CA (2000). Genetic heterogeneity and spectrum of mutations of the PRKAR1A gene in patients with the Carney complex. *Hum Mol Genet.* 9(20):3037–46. PMID:11115848
- 1382.** Kiuru M, Hameed M, Busam KJ (2013). Compound clear cell sarcoma misdiagnosed as

a Spitz nevus. *J Cutan Pathol.* 40(11):951–4. PMID:23980901

- 1383.** Kiuru M, Jungbluth A, Kutzner H, Wlassner T, Busam KJ (2016). Spitz tumors: comparison of histological features in relationship to immunohistochemical staining for ALK and NTRK3. *Int J Surg Pathol.* 24(3):200–6. PMID:2657344
- 1384.** Kiuru M, McDermott G, Berger M, Halpern AC, Busam KJ (2014). Desmoplastic melanoma with sarcomatoid dedifferentiation. *Am J Surg Pathol.* 38(6):864–70. PMID:2461884
- 1385.** Kivela T, Eskelin S (2006). Transformation of nevus to melanoma. *Ophthalmology.* 113(5):887–8.e1. PMID:16650691
- 1386.** Kiyohara T, Kumakiri M, Kobayashi H, Shimizu T, Ohkawara A, Ohnuki M (2008). A case of intravascular large B-cell lymphoma mimicking erythema nodosum: the importance of multiple skin biopsies. *J Cutan Pathol.* 35(8):413–8. PMID:10955689
- 1387.** Kleijer WJ, Laugel V, Bernburg W, Nardo T, Fawcett H, Gratchev A, et al. (2008). Incidence of DNA repair deficiency diseases in western Europe: xeroderma pigmentosum, Cockayne syndrome and trichothiodystrophy. *DNA Repair (Amst).* 7(5):744–5. PMID:18329345
- 1388.** Klein JA, Barr RJ (1986). Diffuse xeroderma and tuberous sclerosis. *Arch Dermatol.* 122(11):1298–302. PMID:3777575
- 1389.** Kleinstiver BJ, Rodriguez HA (1998). Nodular fasciitis. A study of forty-five cases and review of the literature. *J Bone Joint Surg Am.* 50(6):1204–12. PMID:5675403
- 1390.** Klemke CD, Bookin N, Weiss C, Noh J, Koerdt J, Felcht M, et al. (2015). Histopathological and immunophenotypical criteria for the diagnosis of Sézary syndrome in differentiations from other erythrodermic skin diseases: a European Organisation for Research and Treatment of Cancer (EORTC) Cutaneous Lymphoma Task Force Study of 57 cases. *Br J Dermatol.* 173(1):93–105. PMID:25884659
- 1391.** Kluk J, Kai A, Koch D, Tattler SA, O'Connor S, Persic M, et al. (2016). Involvement of CD8-positive lymphoid proliferation of skin sites: three further cases of a rare entity and an update on a unique patient. *J Cutan Med Surg.* 43(2):125–36. PMID:26423705
- 1392.** Kluk J, Moonin M, Duran A, Cobo-Rosa J, Cabeçadas J, Alvarez R, et al. (2016). Cutaneous Richter syndrome: a better case to transform? *Br J Dermatol.* 175(2):214–20. PMID:24935194
- 1393.** Knoeller SM, Haag M, Adler CF, Rasmussen A (2004). Skeletal metastasis in trichoblastic carcinoma. *Clin Orthop Relat Res.* 422:214–21. PMID:15232451
- 1394.** Ko CJ, Barr RJ, Subtil A, Wechsler J (2008). Acantholytic dyskeratotic acanthosis: a variant of a benign keratosis. *J Cutan Med Surg.* 35(3):298–301. PMID:18251744
- 1395.** Ko CJ, Bologna JL, Glass EJ (2010). "Clark/dysplastic" nevi with basal keratinocytes associated with pseudomelanocytic features. *J Am Acad Dermatol.* 64(2):349–54. PMID:21238828
- 1396.** Ko CJ, Cochran AJ, Eng W, Brantner M (2006). Hidradenocarcinoma: a histopathologic immunohistochemical study. *J Cutan Med Surg.* 33(11):726–30. PMID:17083669
- 1397.** Ko CJ, Leffell DJ, McNiff JM (2009). Adenosquamous carcinoma: a report of two cases with p63 and cytokeratin 5/6 staining. *J Cutan Pathol.* 36(4):448–52. PMID:19279403
- 1398.** Ko JS, Daniels B, Emanuel PO, Sato P, Khachaturov V, McKenney JK, et al. (2010). Spindle cell lipomas in women: a report of 53 cases. *Am J Surg Pathol.* 41(9):1257–64. PMID:28719462
- 1399.** Ko JY, Choi WJ, Kang HS, Yu HL, Park MH (2011). Intravascular myxopapillary sarcoma



- interesting case of a long-standing large, painful subcutaneous tumor. *Pathol Int.* 61(3):161–4. PMID:21355959
1400. Kobayashi M, Tojo A (2014). The BRAF-V600E mutation in circulating cell-free DNA is a promising biomarker of high-risk adult Langerhans cell histiocytosis. *Blood.* 124(16):2610–1. PMID:25323687
1401. Koch BB, Trask DK, Hoffman HT, Karnell LH, Robinson RA, Zhen W, et al. (2001). National survey of head and neck verrucous carcinoma: patterns of presentation, care, and outcome. *Cancer.* 92(1):110–20. PMID:11443616
1402. Kodama K, Kobayashi H, Abe R, Ohkawara A, Yoshii N, Yotsumoto S, et al. (2001). A new case of alpha-N-acetylgalactosaminidase deficiency with angiokeratoma corporis diffusum, with Ménière's syndrome and without mental retardation. *Br J Dermatol.* 144(2):363–8. PMID:11251574
1403. Kodama K, Massone C, Chott A, Metzger D, Kerl H, Cerroni L (2005). Primary cutaneous large B-cell lymphomas: clinicopathologic features, classification, and prognostic factors in a large series of patients. *Blood.* 106(7):2491–7. PMID:15947086
1404. Koens L, Senff NJ, Vermeer MH, Willemsz R, Jansen PM (2014). Methotrexate-associated B-cell lymphoproliferative disorders presenting in the skin: a clinicopathologic and immunophenotypic study of 10 cases. *Am J Surg Pathol.* 38(7):999–1006. PMID:24805861
1405. Koens L, Vermeer MH, Willemsz R, Jansen PM (2010). IgM expression on paraffin sections distinguishes primary cutaneous large B-cell lymphoma, leg type from primary cutaneous follicle center lymphoma. *Am J Surg Pathol.* 34(7):1043–8. PMID:20551823
1406. Koens L, Zoutman WH, Ngarmliertsirichai P, Przybylski GK, Grabarczyk P, Vermeer MH, et al. (2014). Nuclear factor-κB pathway-activating gene aberrancies in primary cutaneous large B-cell lymphoma, leg type. *J Invest Dermatol.* 134(1):290–2. PMID:23863863
1407. Koga H, Saida T, Uhara H (2011). Key point in dermoscopic differentiation between early nail apparatus melanoma and benign longitudinal melanonychia. *J Dermatol.* 38(1):45–52. PMID:21175755
1408. Koga H, Yoshikawa S, Shinohara T, Le Gal FA, Cortés B, Saida T, et al. (2016). Long-term follow-up of longitudinal melanonychia in children and adolescents using an objective discrimination index. *Acta Derm Venereol.* 96(5):716–7. PMID:26806608
1409. Kogushi-Nishi H, Kawasaki J, Kageshita T, Ishihara T, Ihn H (2009). The prevalence of melanocytic nevi on the soles in the Japanese population. *J Am Acad Dermatol.* 60(5):767–71. PMID:19389519
1410. Koh SH, Oh SJ, Chun H, Kim SG (2014). Pseudoangiosarcomatous squamous cell carcinoma developing on a burn scar: a case report and review of the literature. *Burns.* 40(7):e47–52. PMID:24768344
1411. Kohashi K, Yamamoto H, Kumagai R, Yamada Y, Hotokebuchi Y, Taguchi T, et al. (2014). Differential microRNA expression profiles between malignant rhabdoid tumor and epithelioid sarcoma: miR193a-5p is suggested to downregulate SMARCB1 mRNA expression. *Mod Pathol.* 27(6):832–9. PMID:24287458
1412. Koike T, Mikami T, Maegawa J, Iwai T, Wada H, Yamanaka S (2013). Recurrent endocrine mucin-producing sweat gland carcinoma in the eyelid. *Australas J Dermatol.* 54(2):e46–9. PMID:23582005
1413. Koizumi H, Kumakiri M, Yamanaka K, Tomizawa K, Endo M, Ohkawara A (1995). Dermal dendrocyte hamartoma with stubby white hair: a novel connective tissue hamartoma of infancy. *J Am Acad Dermatol.* 32(2 Pt 2):318–21. PMID:7530262
1414. Kolde G, Bröcker EB (1986). Multiple skin tumors of indeterminate cells in an adult. *J Am Acad Dermatol.* 15(4 Pt 1):591–7. PMID:3095403
1415. Kolenik SA 3rd, Bologna JL, Castiglione FM Jr, Longley BJ (1996). Multiple tumors of the follicular infundibulum. *Int J Dermatol.* 35(4):282–4. PMID:8786188
1416. Kong YY, Kong JC, Shi DR, Lu HF, Zhu XZ, Wang J, et al. (2007). Cutaneous Rosai-Dorfman disease: a clinical and histopathologic study of 25 cases in China. *Am J Surg Pathol.* 31(3):341–50. PMID:17325475
1417. Konstantinova AM, Hayes MM, Stewart CJ, Plaza JA, Michal M, Kerl K, et al. (2016). Siringomatous structures in extramammary Paget disease: a potential diagnostic pitfall. *Am J Dermatopathol.* 38(9):653–7. PMID:26863060
1418. Konstantinova AM, Kacerovska D, Michal M, Kazakov DV (2013). A tumoriform lesion of the vulva with features of mammary-type fibrocystic disease. *Am J Dermatopathol.* 35(7):e124–7. PMID:23435363
1419. Konstantinova AM, Kacerovska D, Stewart CJ, Szepe P, Piitha J, Sulc M, et al. (2016). Siringocystadenocarcinoma papilliferum in situ-like changes in extramammary Paget disease: a report of 11 cases. *Am J Dermatopathol.* 38(12):882–6. PMID:26863065
1420. Konstantinova AM, Kyrpychova L, Belousova IE, Spagnolo DV, Kacerovska D, Michal M, et al. (2017). Anogenital mammary-like glands: a study of their normal histology with emphasis on glandular depth, presence of columnar epithelial cells, and distribution of elastic fibers. *Am J Dermatopathol.* 39(9):663–7. PMID:27759697
1421. Konstantinova AM, Michal M, Kacerovska D, Spagnolo DV, Stewart CJ, Kutznier H, et al. (2016). Hidradenoma papilliferum: a clinicopathologic study of 264 tumors from 261 patients, with emphasis on mammary-type alterations. *Am J Dermatopathol.* 38(8):598–607. PMID:26863059
1422. Konstantinova AM, Shelekhova KV, Imyanitov EN, Iyevleva A, Kacerovska D, Michal M, et al. (2017). Study of selected BRCA1, BRCA2, and PIK3CA mutations in benign and malignant lesions of anogenital mammary-like glands. *Am J Dermatopathol.* 39(5):358–62. PMID:28291131
1423. Konstantinova AM, Shelekhova KV, Stewart CJ, Spagnolo DV, Kutznier H, Kacerovska D, et al. (2016). Depth and patterns of adnexal involvement in primary extramammary (anogenital) Paget disease: a study of 178 lesions from 146 patients. *Am J Dermatopathol.* 38(11):802–8. PMID:26863064
1424. Konstantinova AM, Spagnolo DV, Stewart CJ, Kacerovska D, Shelekhova KV, Plaza JA, et al. (2017). Spectrum of changes in anogenital mammary-like glands in primary extramammary (anogenital) Paget disease and their possible role in the pathogenesis of the disease. *Am J Surg Pathol.* 41(8):1053–8. PMID:28614205
1425. Konstantinova AM, Stewart CJ, Kyrpychova L, Belousova IE, Michal M, Kazakov DV (2017). An immunohistochemical study of anogenital mammary-like glands. *Am J Dermatopathol.* 39(8):599–605. PMID:27655126
1426. Konstantinova AM, Vanecek T, Martinek P, Kyrpychova L, Spagnolo DV, Stewart CJ, et al. (2017). Molecular alterations in lesions of anogenital mammary-like glands and their mammary counterparts including hidradenoma papilliferum, intraductal papilloma, fibroadenoma and phylloides tumor. *Ann Diagn Pathol.* 28:12–8. PMID:28648934
1427. Koopmans AE, Ober K, Dubbink HJ, Paridaens D, Naus NC, Belunek S, et al. (2014). Prevalence and implications of TERT promoter mutation in uveal and conjunctival melanoma and in benign and premalignant conjunctival melanocytic lesions. *Invest Ophthalmol Vis Sci.* 55(9):6024–30. PMID:25159205
1428. Kopf AW, Levine LJ, Rigel DS, Friedman RJ, Levenstein M (1985). Prevalence of congenital-nevus-like nevi, nevi spili, and café au lait spots. *Arch Dermatol.* 121(6):766–9. PMID:4004301
1429. Kopf AW, Weidman AI (1962). Nevus of Ota. *Arch Dermatol.* 85(2):195–208. PMID:14458325
1430. Koplin SA, Nielsen GP, Hornicek FJ, Rosenberg AE (2010). Epithelioid sarcoma with heterotopic bone: a morphologic review of 4 cases. *Int J Surg Pathol.* 18(3):207–12. PMID:20034988
1431. Korgavkar K, Xiong M, Weinstock M (2013). Changing incidence trends of cutaneous T-cell lymphoma. *JAMA Dermatol.* 149(11):1295–9. PMID:24005876
1432. Kornberg R, Ackerman AB (1975). Pseudomelanoma: recurrent melanocytic nevus following partial surgical removal. *Arch Dermatol.* 111(12):1588–90. PMID:1200664
1433. Koss MN, Hochholzer L, Langloss JM, Wehnt WD, Lazarus AA, Nichols PW (1986). Lymphomatoid granulomatosis: a clinicopathologic study of 42 patients. *Pathology.* 18(3):283–8. PMID:3785978
1434. Kossard S, Finley AG, Poyzer K, Kocsard E (1989). Eruptive infundibulomas. A distinctive presentation of the tumor of follicular infundibulum. *J Am Acad Dermatol.* 21(2 Pt 2):361–6. PMID:2474013
1435. Kossard S, Wilkinson B (1997). Small cell (naevoid) melanoma: a clinicopathologic study of 131 cases. *Australas J Dermatol.* 38 Suppl 1:S54–8. PMID:10994474
1436. Kossard S, Xenias SJ, Palestine RF, Scheen SR 3rd, Winkelmann RK (1980). Inflammatory changes in verruca vulgaris. *J Cutan Pathol.* 7(4):217–21. PMID:7430479
1437. Koutras IG, Scheithauer BW (2010). Palisaded encapsulated ("solitary circumscribed") neuroma of the oral cavity: a review of 55 cases. *Head Neck Pathol.* 4(1):15–26. PMID:20237984
1438. Kovanik CL, Barrett T, Auerbach A, Casarino DS (2008). Acral myxoinflammatory fibroblastic sarcoma: case series and immunohistochemical analysis. *J Cutan Pathol.* 35(2):192–6. PMID:18190444
1439. Kraemer KH, DiGiovanna JJ (1993). Xeroderma pigmentosum. In: Adam MP, Ardinger HH, Pagon RA, Wallace SE, Bean LH, Stephens K, et al., editors. *GeneReviews*. Seattle: University of Washington, Seattle. PMID:20301571
1440. Kraemer KH, Lee MM, Scott J (1987). Xeroderma pigmentosum. Cutaneous, ocular, and neurologic abnormalities in 830 published cases. *Arch Dermatol.* 123(2):241–50. PMID:3545087
1441. Kraft S, Fletcher CD (2011). Atypical intradermal smooth muscle neoplasms: clinicopathologic analysis of 84 cases and a reappraisal of cutaneous "leiomyosarcoma". *Am J Surg Pathol.* 35(4):599–607. PMID:21358302
1442. Kraft S, Granter SR (2014). Molecular pathology of skin neoplasms of the head and neck. *Arch Pathol Lab Med.* 138(6):759–87. PMID:24878016
1443. Krahl D, Sellheyer K (2007). Monoclonal antibody Her-EP4 reliably discriminates between microcystic adnexal carcinoma and basal cell carcinoma. *J Cutan Pathol.* 34(10):782–7. PMID:17880584
1444. Kratochvil FJ 3rd, Stewart JC, Moore SR (2012). Mammary analog secretory carcinoma of salivary glands: a report of 2 cases in the lips. *Oral Surg Oral Med Oral Pathol Oral Radiol.* 114(5):630–5. PMID:23021923
1445. Krauthammer M, Kong Y, Bacchiocchi A, Evans P, Pornputtapong N, Wu C, et al. (2015). Exome sequencing identifies recurrent mutations in NF1 and RASopathy genes in sun-exposed melanomas. *Nat Genet.* 47(9):996–1002. PMID:26214590
1446. Krenács L, Tiszalvicz L, Krenács T, Boumsell L (1993). Immunohistochemical detection of CD1A antigen in formalin-fixed and paraffin-embedded tissue sections with monoclonal antibody 010. *J Pathol.* 171(2):99–104. PMID:7506772
1447. Krishnan KG, Pinzer T, Schackert G (2005). Coverage of painful peripheral nerve neuromas with vascularized soft tissue: method and results. *Neurosurgery.* 56(2 Suppl):369–78. PMID:15794833
1448. Kruse R, Rütten A, Schweiger N, Jakob E, Mathiak M, Propping P, et al. (2003). Frequency of microsatellite instability in unselected sebaceous gland neoplasias and hyperplasias. *J Invest Dermatol.* 120(5):858–64. PMID:12713593
1449. Kryvenko ON, Chitale DA, VanEgmond EM, Gupta NS, Schultz D, Lee MW (2011). Angiolipoma of the female breast: clinicomorphological correlation of 52 cases. *Int J Surg Pathol.* 19(1):35–43. PMID:21087987
1450. Ku LS, Chong LY, Yau KC (2005). Giant annular dermatomyofibroma. *Int J Dermatol.* 44(12):1039–41. PMID:16409272
1451. Kuchelmeister C, Schaumburg-Lever G, Garbe C (2000). Acral cutaneous melanoma in Caucasians: clinical features, histopathology and prognosis in 112 patients. *Br J Dermatol.* 143(2):275–80. PMID:10951133
1452. Kuet K, Goodfield M (2014). Multiple halo naevi associated with tocilizumab. *Clin Exp Dermatol.* 39(6):717–9. PMID:24986573
1453. Kujala E, Mäkitie T, Kiveliä T (2003). Very long-term prognosis of patients with malignant uveal melanoma. *Invest Ophthalmol Vis Sci.* 44(11):4651–9. PMID:14578381
1454. Kumar E, Patel NR, Demicco EG, Bovee JV, Olivera AM, Lopez-Terrada DH, et al. (2016). Cutaneous nodular fasciitis with genetic analysis: a case series. *J Cutan Pathol.* 43(12):1143–9. PMID:27686647
1455. Kumar R, Lefkowitz RA, Neto AD (2017). Myxoinflammatory fibroblastic sarcoma: clinical, imaging, management and outcome in 29 patients. *J Comput Assist Tomogr.* 41(1):104–15. PMID:27560024
1456. Kumar S, Fend F, Quintanilla-Martinez L, Kingma DW, Sorbara L, Raffeld M, et al. (2000). Epstein-Barr virus-positive primary gastrointestinal Hodgkin's disease: association with inflammatory bowel disease and immunosuppression. *Am J Surg Pathol.* 24(1):66–73. PMID:10632489
1457. Kumar S, Krenacs L, Medeiros J, Elenitoba-Johnson KS, Greiner TC, Sorbara L, et al. (1998). Subcutaneous panniculitic T-cell lymphoma is a tumor of cytotoxic T lymphocytes. *Hum Pathol.* 29(4):397–403. PMID:9563791
1458. Kummer JA, Vermeer MH, Dukers D, Meijer CJ, Willemsz R (1997). Most primary cutaneous CD30-positive lymphoproliferative disorders have a CD4-positive cytotoxic T-cell phenotype. *J Invest Dermatol.* 109(5):636–40. PMID:9347791
1459. Kung IT, Gibson JB, Bannatyne PM (1984). Kimura's disease: a clinicopathological study of 21 cases and its distinction from angiolymphoid hyperplasia with eosinophilia. *Pathology.* 16(1):39–44. PMID:6718071
1460. Kuno Y, Numata T, Kanzaki T (1999). Adenocarcinoma with signet ring cells of the axilla showing apocrine features: a case



- report. *Am J Dermatopathol.* 21(1):37–41. PMID:10027525
1461. Kuo KY, Batra P, Cho HG, Li S, Chahal HS, Rieger KE, et al. (2017). Correlates of multiple basal cell carcinoma in a retrospective cohort study: sex, histologic subtypes, and anatomic distribution. *J Am Acad Dermatol.* 77(2):233–4.e2. PMID:28392289
1462. Kuo T (1980). Clear cell carcinoma of the skin. A variant of the squamous cell carcinoma that simulates sebaceous carcinoma. *Am J Surg Pathol.* 4(6):573–83. PMID:6163367
1463. Kuo TT, Hu S, Chan HL (1998). Keloidal dermatofibroma: report of 10 cases of a new variant. *Am J Surg Pathol.* 22(5):564–8. PMID:9591726
1464. Kurek KC, Pansuriya TC, van Ruler MA, van den Akker B, Luks VL, Verbeke SL, et al. (2013). R132C IDH1 mutations are found in spindle cell hemangiomas and not in other vascular tumors or malformations. *Am J Pathol.* 182(5):1494–500. PMID:23485734
1465. Kurii M, Finger PT (2005). Melanocytic conjunctival tumors. *Ophthalmol Clin North Am.* 18(1):15–24, vii. PMID:15763188
1466. Kurokawa I, Senba Y, Nishimura K, Habe K, Hakamada A, Isoda K, et al. (2006). Cytokeratin expression in trichilemmal carcinoma suggests differentiation towards follicular infundibulum. *In Vivo.* 20(5):583–5. PMID:17091763
1467. Kurzen H, Esposito L, Langbein L, Hartschuh W (2001). Cytokeratins as markers of follicular differentiation: an immunohistochemical study of trichoblastoma and basal cell carcinoma. *Am J Dermatopathol.* 23(6):501–9. PMID:11801790
1468. Küsters-Vandeveldel HV, Creyten D, van Engen-van Grunsen AC, Jeunink M, Winnepenninckx V, Groenen PJ, et al. (2016). SF3B1 and EIF1AX mutations occur in primary leptomeningeal melanocytic neoplasms; yet another similarity to uveal melanomas. *Acta Neuropathol Commun.* 4:5. PMID:26769193
1469. Kutzner H, Kerl H, Pfaltz MC, Kempf W (2009). CD123-positive plasmacytoid dendritic cells in primary cutaneous marginal zone B-cell lymphoma: diagnostic and pathogenetic implications. *Am J Surg Pathol.* 33(9):1307–13. PMID:19718787
1470. Kutzner H, Mentzel T, Kaddu S, Soares LM, Sanguenza OP, Requena L (2001). Cutaneous myoeplithelioma: an under-recognized cutaneous neoplasm composed of myoeplithelial cells. *Am J Surg Pathol.* 25(3):348–55. PMID:11224605
1471. Kutzner H, Mentzel T, Palmedo G, Hantschke M, Rütten A, Paredes BE, et al. (2010). Plaque-like CD34-positive dermal fibroma ("medallion-like dermal dendrocyte hamartoma"): clinicopathologic, immunohistochemical, and molecular analysis of 5 cases emphasizing its distinction from superficial, plaque-like dermatofibrosarcoma protuberans. *Am J Surg Pathol.* 34(2):190–201. PMID:20061935
1472. Kutzner H, Metzler G, Argenyi Z, Requena L, Palmedo G, Mentzel T, et al. (2012). Histological and genetic evidence for a variant of superficial spreading melanoma composed predominantly of large nests. *Mod Pathol.* 25(6):838–45. PMID:22388759
1473. Kutzner H, Requena L, Rütten A, Mentzel T (2006). Spindle cell predominant trichodiscoma: a fibrofolliculoma/trichodiscoma variant considered formerly to be a neurofollicular hamartoma: a clinicopathological and immunohistochemical analysis of 17 cases. *Am J Dermatopathol.* 28(1):1–8. PMID:16456317
1474. Kwiek B, Schwartz RA (2016). Keratoacanthoma (KA): an update and review. *J Am Acad Dermatol.* 74(6):1220–33. PMID:26853179
1475. Kylo RL, Brady KL, Hurst EA (2015). Sebaceous carcinoma: review of the literature. *Dermatol Surg.* 41(1):1–15. PMID:25521100
1476. Kyrpychova L, Carr RA, Martinek P, Vanecsek T, Perret R, Chottová-Dvořáková M, et al. (2017). Basal cell carcinoma with matrical differentiation: clinicopathologic, immunohistochemical, and molecular biological study of 22 cases. *Am J Surg Pathol.* 41(6):738–49. PMID:28368926
1477. Kyrpychova L, Kacerovska D, Vanecsek T, Grossmann P, Michal M, Kerl K, et al. (2016). Cutaneous hidradenoma: a study of 21 neoplasms revealing neither correlation between the cellular composition and CRTC1-MAML2 fusions nor presence of CRTC3-MAML2 fusions. *Ann Diagn Pathol.* 23:8–13. PMID:27402217
1478. Lack EE, Worsham GF, Callihan MD, Crawford BE, Klappenbach S, Rowden G, et al. (1980). Granular cell tumor: a clinicopathologic study of 110 patients. *J Surg Oncol.* 13(4):301–16. PMID:6246310
1479. Lafferty KA, Nelson EL, Demuth RJ, Miller SH, Harrison MW (1986). Juvenile aponeurotic fibroma with disseminated fibrosarcoma. *J Hand Surg Am.* 11(5):737–40. PMID:3760506
1480. LaGrenade L, Hanchard B, Fletcher V, Cranston B, Blattner W (1990). Infective dermatitis of Jamaican children: a marker for HTLV-I infection. *Lancet.* 336(8727):1345–7. PMID:1978165
1481. Laharanne E, Oumouhou N, Bonnet F, Carloti M, Gentil C, Chevret E, et al. (2010). Genome-wide analysis of cutaneous T-cell lymphomas identifies three clinically relevant classes. *J Invest Dermatol.* 130(6):1707–18. PMID:20130593
1482. Lai JP, Liu YC, Alimchandani M, Liu Q, Aung PP, Matsuda K, et al. (2013). The influence of DNA repair on neurological degeneration, cachexia, skin cancer and internal neoplasms: autopsy report of four xeroderma pigmentosum patients (XP-A, XP-C and XP-D). *Acta Neuropathol Commun.* 1:4. PMID:24252196
1483. Lake SL, Jmor F, Dopierala J, Taktak AF, Coupland SE, Damato BE (2011). Multiplex ligation-dependent probe amplification of conjunctival melanoma reveals common BRAF V600E gene mutation and gene copy number changes. *Invest Ophthalmol Vis Sci.* 52(8):5598–604. PMID:21693616
1484. Lam C, Ou JC, Billingsley EM (2013). "PITCH"-ing it together: a basal cell nevus syndrome review. *Dermatol Surg.* 39(11):1557–72. PMID:23725561
1485. Lambert I, Debiec-Rychter M, Guelinckx P, Hagemeyer A, Sciort R (2001). Acral myxoinflammatory fibroblastic sarcoma with unique clonal chromosomal changes. *Virchows Arch.* 438(5):509–12. PMID:11407481
1486. Lancerotto L, Salmasso R, Sartore L, Bassetto F (2012). Malignant glomus tumor of the leg developed in the context of a superficial typical glomus tumor. *Int J Surg Pathol.* 20(4):420–4. PMID:2228777
- 1486A. Landi MT, Bauer J, Pfeiffer RM, Elder DE, Hulley B, Minghetti P, et al. (2006). MC1R germline variants confer risk for BRAF-mutant melanoma. *Science.* 313(5786):521–2. PMID:16809487
1487. Landry M, Winkelmann RK (1972). An unusual tubular apocrine adenoma. *Arch Dermatol.* 105(6):869–79. PMID:4113017
1488. Lang PG Jr, McKelvey AC, Nicholson JH (1987). Three-dimensional reconstruction of the superficial multicentric basal cell carcinoma using serial sections and a computer. *Am J Dermatopathol.* 9(3):198–203. PMID:3631446
1489. Lange M, Gleń J, Zabolotna M, Nedoszytko B, Sokolowska-Wojdyło M, Rębała K, et al. (2017). Interleukin-31 polymorphisms and serum IL-31 level in patients with mastocytosis: correlation with clinical presentation and pruritus. *Acta Derm Venereol.* 97(1):47–53. PMID:27276346
1490. Lange M, Żawrocki A, Nedoszytko B, Wasag B, Nedoszytko M, Jassem E, et al. (2014). Does the aberrant expression of CD2 and CD25 by skin mast cells truly correlate with systemic involvement in patients presenting with mastocytosis in the skin? *Int Arch Allergy Immunol.* 165(2):104–10. PMID:25402852
1491. Lanting R, Broekstra DC, Werker PM, van den Heuvel ER (2014). A systematic review and meta-analysis on the prevalence of Dupuytren disease in the general population of Western countries. *Plast Reconstr Surg.* 133(3):593–603. PMID:24263394
1492. Larre Borges A, Zalaudek I, Longo C, Dufrechou L, Argenziano G, Lallas A, et al. (2014). Melanocytic nevi with special features: clinical-dermoscopic and reflectance confocal microscopic findings. *J Eur Acad Dermatol Venereol.* 28(7):833–45. PMID:24171788
1493. Larsen AC, Dahmcke CM, Dahl C, Siersma VD, Toft PB, Coupland SE, et al. (2015). A retrospective review of conjunctival melanoma presentation, treatment, and outcome and an investigation of features associated with BRAF mutations. *JAMA Ophthalmol.* 133(11):1295–303. PMID:26425792
1494. Laskin WB, Fetsch JF, Michal M, Miettinen M (2006). Sclerotic (fibroma-like) lipoma: a distinctive lipoma variant with a predilection for the distal extremities. *Am J Dermatopathol.* 28(4):308–16. PMID:16871033
1495. Laskin WB, Fetsch JF, Miettinen M (2000). The "neurothekeoma": immunohistochemical analysis distinguishes the true nerve sheath myxoma from its mimics. *Hum Pathol.* 31(10):1230–41. PMID:11070116
1496. Laskin WB, Fetsch JF, Miettinen M (2014). Myxoinflammatory fibroblastic sarcoma: a clinicopathologic analysis of 104 cases, with emphasis on predictors of outcome. *Am J Surg Pathol.* 38(1):1–12. PMID:24121178
1497. Laskin WB, Weiss SW, Brattbauer GL (1991). Epithelioid variant of malignant peripheral nerve sheath tumor (malignant epithelioid schwannoma). *Am J Surg Pathol.* 15(12):1136–45. PMID:1746681
1498. Lasota J, Fetsch JF, Wozniak A, Wasag B, Sciort R, Miettinen M (2001). The neurofibromatosis type 2 gene is mutated in peripheral cell tumors: a molecular genetic study of eight cases. *Am J Pathol.* 158(4):1223–9. PMID:11290539
1499. Lau PP, Wong OK, Lui PC, Cheung OY, Ho LC, Wong WC, et al. (2009). Myopericytoma in patients with AIDS: a new class of Epstein-Barr virus-associated tumor. *Am J Surg Pathol.* 33(11):1666–72. PMID:19675451
1500. Lauer DH, Enzinger FM (1980). Cranial fasciitis of childhood. *Cancer.* 45(2):401–6. PMID:7351023
- 1500A. Laurent C, Baron M, Amara N, Haioun C, Dandoit M, Maynadié M, et al. (2017). Impact of expert pathologic review of lymphoma diagnosis: study of patients from the French Lymphopath Network. *J Clin Oncol.* 35(18):2008–17. PMID:28459613
1501. Laurent R, Kienzler JL, Croissant O, Orth G (1982). Two anatomoclinical types of warts with plantar localization: specific cytopathogenic effects of papillomavirus. Type I (HPV-1) and type 2 (HPV-2). *Arch Dermatol Res.* 274(1–2):101–11. PMID:6299203
1502. Laury AR, Perets R, Piao H, Krane JF, Barletta JA, French C, et al. (2011). A comprehensive analysis of PAX8 expression in human epithelial tumors. *Am J Surg Pathol.* 35(6):816–26. PMID:21552115
1503. Law MH, Bishop DT, Lee JE, Brossard M, Martin NG, Moses EK, et al. (2015). Genome-wide meta-analysis identifies five new susceptibility loci for cutaneous malignant melanoma. *Nat Genet.* 47(9):987–95. PMID:26237428
1504. Lazar AJ, Fletcher CD (2005). Primitive nonneural granular cell tumors of skin: clinicopathologic analysis of 13 cases. *Am J Surg Pathol.* 29(7):927–34. PMID:15958858
1505. Lazova R, Lester B, Glusac EA, Henderson T, McNiff J (2005). The characteristic histopathologic features of nevi on and around the ear. *J Cutan Pathol.* 32(1):45–4. PMID:15660654
1506. Lazova R, Pornputtpong N, Halaban R, Bosenberg M, Bai Y, Chai H, et al. (2017). Spitz nevi and Spitzoid melanomas: exome sequencing and comparison with conventional melanocytic nevi and melanomas. *Mod Pathol.* 30(5):640–9. PMID:28186096
1507. Lazova R, Yang Z, El Habr C, Lim Y, Choate KA, Seeley EH, et al. (2017). Mass spectrometry imaging can distinguish an in proteomic level between proliferative nodules within a benign congenital nevus and malignant melanoma. *Am J Dermatopathol.* 39(9):985–92. PMID:28248717
1508. Lazovich D, Isaksson Vogel R, Wenzel M, Nelson HH, Ahmed RL, Berwick W (2016). Association between indoor tanning and melanoma in younger men and women. *JAMA Dermatol.* 152(3):268–75. PMID:26818439
1509. Le Huu AR, Jokinen CH, Rubin SP, Wern MC, Weiss SW, North PE, et al. (2010). Expression of Prox1, lymphatic endothelial nuclear transcription factor, in Kaposiform hemangioendothelioma and tufted angioma. *Am J Surg Pathol.* 34(11):1563–73. PMID:20975337
1510. Le EN, Gerstenblith MR, Galber AC, Manno RL, Ranasinghe PD, Sweren RJ, et al. (2008). The use of blind skin biopsy in the diagnosis of intravascular B-cell lymphoma. *J Am Acad Dermatol.* 59(1):148–51. PMID:18430537
1511. Le Loarer F, Zhang L, Fletcher CD, Ribeiro A, Singer S, Italiano A, et al. (2014). Consistent SMARCB1 homozygous deletion in epithelioid sarcoma and in a subset of myoepithelial carcinomas can be reliably detected by FISH in archival material. *Genes Chromosomes Cancer.* 53(6):475–86. PMID:24956572
1512. LeBlanc KG Jr, Wenner M, Davis CD (2011). Multiple nuchal fibromas in a 2-year-old without Gardner syndrome. *Pediatr Dermatol.* 28(6):695–6. PMID:21950671
1513. LeBoit PE (1994). Granulomatous slack skin. *Dermatol Clin.* 12(2):375–86. PMID:8045049
1514. LeBoit PE, Barr RJ, Bural S, Westoff JB, Yen TS, Wick MR (1991). Primitive papular granular-cell tumor and other cutaneous granular-cell neoplasms of apparent nonneural origin. *Am J Surg Pathol.* 15(1):48–58. PMID:1855917
- 1514A. LeBoit PE, Burg G, Weedon D, Sober A, editors (2005). *World Health Organization classification of tumours. Pathology and genetics of skin tumours.* 3rd ed. Lyon: International Agency for Research on Cancer.
1515. LeBoit PE, Sexton M (1993). Melanocytic adnexal carcinoma of the skin. A reassessment of the differentiation and differential diagnosis of an underrecognized neoplasm. *J Am Acad Dermatol.* 29(4):609–18. PMID:7691936
1516. LeClair Alirlikicarslan A, Dupuy A, Pavesi A, Parrens M, Vergier B, Robson A, et al. (2017). Expression of TFH markers and detection of RHOA p.G17V and ID2 p.R126G mutations in cutaneous localizations of angioimmunoblastic T-cell lymphomas. *Am J Surg Pathol.* 41(12):1581–92. PMID:28945625
1517. Leclerc S, Hamel-Taillac D, Gagné P, Brousse N, Frailat S (2005). Plexiform histiocytic tumor: three unusual cases occurring in infancy. *J Cutan Pathol.* 32(8):570–4



PMID:16115057

1518. Leclerc-Mercier S, Pedeutour F, Fabas T, Glorion C, Brousse N, Fraitag S (2011). Plexiform fibrohistiocytic tumor with molecular and cytogenetic analysis. *Pediatr Dermatol.* 28(1):26–9. PMID:21261704
1519. Lee AY, Agaram NP, Qin LX, Kuk D, Curtin C, Brennan MF, et al. (2016). Optimal percent myxoid component to predict outcome in high-grade myxofibrosarcoma and undifferentiated pleomorphic sarcoma. *Ann Surg Oncol.* 23(3):818–25. PMID:26759307
1520. Lee AY, Kawashima M, Nakagawa H, Ishibashi Y (1991). Generalized eruptive syringoma. *J Am Acad Dermatol.* 25(3):570–1. PMID:1918498
1521. Lee CH, Chen JS, Sun YL, Liao WT, Zheng YW, Chai CZ, et al. (2006). Defective beta1-integrins expression in arsenical keratosis and arsenic-treated cultured human keratinocytes. *J Cutan Pathol.* 33(2):129–38. PMID:16420308
1522. Lee CH, Wu SB, Hong CH, Chen GS, Wei YH, Yu HS (2013). Involvement of mtDNA damage elicited by oxidative stress in the arsenical skin cancers. *J Invest Dermatol.* 133(7):1890–900. PMID:23370535
1523. Lee CS, Southey MC, Slater H, Auldast AW, Chow CW, Venter DJ (1995). Primary cutaneous Ewing's sarcoma/peripheral primitive neuroectodermal tumors in childhood. A molecular, cytogenetic, and immunohistochemical study. *Diagn Mol Pathol.* 4(3):174–81. PMID:7493136
1524. Lee EY, Williamson R, Watt P, Hughes MC, Green AC, Whiteman DC (2006). Sun exposure and host phenotype as predictors of cutaneous melanoma associated with neval remnants or dermal elastosis. *Int J Cancer.* 119(3):636–42. PMID:16572428
1525. Lee HW, Lee DK, Lee MW, Choi JH, Moon KC, Koh JK (2005). Two cases of angio-myxolipoma (vascular myxolipoma) of subcutaneous tissue. *J Cutan Pathol.* 32(5):379–82. PMID:15811126
1526. Lee JH, Lee JH, Lee SH, Do SI, Cho SD, Forslund O, et al. (2016). TPL2 is an oncogenic driver in keratocanthoma and squamous cell carcinoma. *Cancer Res.* 76(22):6712–22. PMID:27503930
1527. Lee JJ, Mochel MC, Piris A, Boussahmain C, Mahalingam M, Hoang MP (2014). p40 exhibits better specificity than p63 in distinguishing primary skin adnexal carcinomas from cutaneous metastases. *Hum Pathol.* 45(5):1078–83. PMID:24746214
1528. Lee JY, Jung KE, Kim HS, Lee JY, Kim HO, Park YM (2014). Langerhans cell sarcoma: a case report and review of the literature. *Int J Dermatol.* 53(2):e84–7. PMID:23557341
1529. Lee KH, Kim JE, Cho BK, Kim YC, Park CJ (2008). Malignant transformation of multiple familial trichoepithelioma: case report and literature review. *Acta Derm Venereol.* 88(1):43–6. PMID:18176750
1530. Lee MH, Moon JI, Lee WJ, Won CH, Chang SE, Choi JH, et al. (2016). A case of cutaneous Epstein-Barr virus-associated diffuse large B-cell lymphoma in an angioimmunoblastic T-cell lymphoma. *Ann Dermatol.* 28(6):789–91. PMID:27904290
1531. Lee MW, Jee KJ, Gong GY, Choi JH, Moon KC, Koh JK (2005). Comparative genomic hybridization in extramammary Paget's disease. *Br J Dermatol.* 153(2):290–4. PMID:16086738
1532. Lee S, Barnhill RL, Dummer R, Dalton J, Wu J, Pappo A, et al. (2015). TERT promoter mutations are predictive of aggressive clinical behavior in patients with spitzoid melanocytic neoplasms. *Sci Rep.* 5:11200. PMID:26061100
1533. Lee SM, Zhang W, Fernandez MP (2014). Atypical fibroxanthoma arising in a young patient with Li-Fraumeni syndrome. *J Cutan Pathol.* 41(3):303–7. PMID:24299451
1534. Lee W, Teckie S, Wiesner T, Ran L, Prieto Granada CN, Lin M, et al. (2014). PRC2 is recurrently inactivated through EED or SUZ12 loss in malignant peripheral nerve sheath tumors. *Nat Genet.* 46(11):1227–32. PMID:25240281
1535. Lee WJ, Lee JH, Won CH, Chang SE, Choi JH, Moon KC, et al. (2015). Nail apparatus melanoma: a comparative, clinicoprognostic study of the initial clinical and morphological characteristics of 49 patients. *J Am Acad Dermatol.* 73(2):213–20. PMID:26028523
1536. Lee WJ, Lee MH, Won CH, Chang SE, Choi JH, Moon KC, et al. (2016). Comparative histopathologic analysis of cutaneous extranodal natural killer/T-cell lymphomas according to their clinical morphology. *J Cutan Pathol.* 43(4):324–33. PMID:26695102
1537. Lee WJ, Lee SH, Moon JI, Won CH, Chang SE, Choi JH, et al. (2016). Relative frequency, clinical features, and survival outcomes of 395 patients with cutaneous lymphoma in Korea: a subgroup analysis per 10-year period. *Acta Derm Venereol.* 96(7):888–93. PMID:26975334
1538. Lee WJ, Moon HR, Won CH, Chang SE, Choi JH, Moon KC, et al. (2014). Precursor B- or T-lymphoblastic lymphoma presenting with cutaneous involvement: a series of 13 cases including 7 cases of cutaneous T-lymphoblastic lymphoma. *J Am Acad Dermatol.* 70(2):318–25. PMID:24314877
1539. Leeborg N, Thompson M, Rossmiller S, Gross N, White C, Gatter K (2010). Diagnostic pitfalls in syringocystadenocarcinoma papilliferum: case report and review of the literature. *Arch Pathol Lab Med.* 134(8):1205–9. PMID:20670144
1540. Lefell DJ, Braverman IM (1986). Familial multiple lipomatosis. Report of a case and a review of the literature. *J Am Acad Dermatol.* 15(2 Pt 1):275–9. PMID:3745530
1541. Lefell DJ, Headington JT, Wong DS, Swanson NA (1991). Aggressive-growth basal cell carcinoma in young adults. *Arch Dermatol.* 127(11):1663–7. PMID:1952969
1542. Legius E, Marchuk DA, Collins FS, Glover TW (1993). Somatic deletion of the neurofibromatosis type 1 gene in a neurofibrosarcoma supports a tumour suppressor gene hypothesis. *Nat Genet.* 3(2):122–6. PMID:8499945
1543. Lehtonen HJ (2011). Hereditary leiomyomatosis and renal cell cancer: update on clinical and molecular characteristics. *Fam Cancer.* 10(2):397–411. PMID:21404119
1544. Leibovitch I, Huligol SC, Selva D, Richards S, Paver R (2005). Basal cell carcinoma treated with Mohs surgery in Australia III. Perineural invasion. *J Am Acad Dermatol.* 53(3):458–63. PMID:16112353
1545. Ngan V (2006). Lentigo simplex. *DermNet New Zealand.* Available from: <https://www.dermnetnz.org/topics/lentigo-simplex>
1546. Leonard N, Chaggar R, Jones C, Takahashi M, Nikitopoulou A, Lakhani SR (2001). Loss of heterozygosity at cyclinD3 gene locus, CYLD, in sporadic skin adnexal tumours. *J Clin Pathol.* 54(9):689–92. PMID:11533075
1547. Leshin B, Whitaker DC, Foucar E (1986). Lymphangioma circumscriptum following mastectomy and radiation therapy. *J Am Acad Dermatol.* 15(5 Pt 2):1117–9. PMID:3771862
1548. Lesliuys T, Pérot G, Largeau MR, Brulard C, Lagarde P, Dapremont V, et al. (2016). RNA sequencing validation of the Complexity Index in SARComas prognostic signature. *Eur J Cancer.* 57:104–11. PMID:26916546
1549. Lever L, Marks R (1989). The significance of the Darier-like solar keratosis and acantholytic change in preneoplastic lesions of the epidermis. *Br J Dermatol.* 120(3):383–9. PMID:2713258
1550. Levin C, Mirzamani N, Zwerner J, Kim Y, Schwartz EJ, Sundram U (2012). A comparative analysis of cutaneous marginal zone lymphoma and cutaneous chronic lymphocytic leukemia. *Am J Dermatopathol.* 34(1):18–23. PMID:22257836
1551. Levisohn D, Seidel D, Phelps A, Burgdorf W (1993). Solitary congenital indeterminate cell histiocytoma. *Arch Dermatol.* 129(1):81–5. PMID:8380541
1552. Lezcano C, Ho J, Seethala RR (2017). Sox10 and DOG1 expression in primary adnexal tumors of the skin. *Am J Dermatopathol.* 39(12):896–902. PMID:28394798
1553. Li JY, Guitart J, Pulitzer MP, Subtil A, Sundram U, Kim Y, et al. (2014). Multicenter case series of indolent small/medium-sized CD8+ lymphoid proliferations with predilection for the ear and face. *Am J Dermatopathol.* 36(5):402–8. PMID:24394306
1554. Li L, Zeng Y, Fang K, Xiao Y, Jin H, Ray H, et al. (2012). Anetodermic pilomatricoma: molecular characteristics and trauma in the development of its bulbous appearance. *Am J Dermatopathol.* 34(4):e41–5. PMID:22307232
1555. Li Z, Lu L, Zhou Z, Xue W, Wang Y, Jin M, et al. (2018). Recurrent mutations in epigenetic modifiers and the PI3K/AKT/mTOR pathway in subcutaneous panniculitis-like T-cell lymphoma. *Br J Haematol.* 181(3):406–10. PMID:28294301
1556. Li Z, Yang JJ, Wu M (2015). Collision tumor of primary Merkel cell carcinoma and chronic lymphocytic leukemia/small lymphocytic lymphoma, diagnosed on ultrasound-guided fine-needle aspiration biopsy: a unique case report and review of literature. *Diagn Cytopathol.* 43(1):66–71. PMID:24610800
1557. Liang H, Wu H, Giorgadze TA, Sariya D, Bellucci KS, Veerappan R, et al. (2007). Podoplanin is a highly sensitive and specific marker to distinguish primary skin adnexal carcinomas from adenocarcinomas metastatic to skin. *Am J Surg Pathol.* 31(2):304–10. PMID:17255777
1558. Liao JY, Lan J, Hong JB, Tsai JH, Kuo KT, Chu CY, et al. (2016). Frequent PIK3CA-activating mutations in hidradenoma papilliferum. *Hum Pathol.* 55:57–62. PMID:27184479
1559. Lichten MD, Karagas MR, Mott LA, Spencer SK, Stukel TA, Greenberg ER (2000). Therapeutic ionizing radiation and the incidence of basal cell carcinoma and squamous cell carcinoma. *Arch Dermatol.* 136(8):1007–11. PMID:10926736
1560. Lieberman PH, Jones CR, Steinman RM, Erlanson RA, Smith J, Gee T, et al. (1996). Langerhans cell (eosinophilic) granulomatosis. A clinicopathologic study encompassing 50 years. *Am J Surg Pathol.* 20(5):519–52. PMID:8619419
1561. Lim KH, Tefferi A, Lasho TL, Finke C, Patnaik M, Butterfield JH, et al. (2009). Systemic mastocytosis in 342 consecutive adults: survival studies and prognostic factors. *Blood.* 113(23):5727–36. PMID:19363219
1562. Lin BT, Weiss LM, Medeiros LJ (1997). Neurofibroma and cellular neurofibroma with atypia: a report of 14 tumors. *Am J Surg Pathol.* 21(12):1443–9. PMID:9414187
1563. Lin L, Skacel M, Sigel JE, Bergfeld WF, Montgomery E, Fisher C, et al. (2003). Epithelioid sarcoma: an immunohistochemical analysis evaluating the utility of cytokeratin 5/6 in distinguishing superficial epithelioid sarcoma from spindle squamous cell carcinoma. *J Cutan Pathol.* 30(2):114–7. PMID:12641789
1564. Lin WM, Luo S, Muzikansky A, Lobo AZ, Tanabe KK, Sober AJ, et al. (2015). Outcome of patients with de novo versus nevus-associated melanoma. *J Am Acad Dermatol.* 72(1):54–8. PMID:25440436
1565. Lindegaard J, Isager P, Prause JU, Heegaard S (2006). Optic nerve invasion of uveal melanoma: clinical characteristics and metastatic pattern. *Invest Ophthalmol Vis Sci.* 47(8):3268–75. PMID:16877391
1566. Lindegaard J, Isager P, Prause JU, Heegaard S (2007). Optic nerve invasion of uveal melanoma. *APMIS.* 115(1):1–16. PMID:17223846
1567. Bosisio FM, Cerroni L (2015). Expression of T-follicular helper markers in sequential biopsies of progressive mycosis fungoides and other primary cutaneous T-cell lymphomas. *Am J Dermatopathol.* 37(2):115–21. PMID:25406852
1568. Linos K, Carter JM, Gardner JM, Folpe AL, Weiss SW, Edgar MA (2014). Myofibromas with atypical features: expanding the morphologic spectrum of a benign entity. *Am J Surg Pathol.* 38(12):1649–54. PMID:24921644
1569. Linos K, Csaposs J, Carlson JA (2013). Microvenular hemangioma presenting with numerous bilateral macules, patches, and plaques: a case report and review of the literature. *Am J Dermatopathol.* 35(1):98–101. PMID:22722465
1570. Linos K, Sedivová M, Cerna K, Sima R, Kazakov DV, Nazeer T, et al. (2011). Extra-nuchal-type fibroma associated with elastosis, traumatic neuroma, a rare APC gene missense mutation, and a very rare MUTYH gene polymorphism: a case report and review of the literature. *J Cutan Pathol.* 38(11):911–8. PMID:21752055
1571. Liu GY, Song H, Xu XL (2016). Multiple palisaded encapsulated neuromas in siblings: a case report and review of the published work. *J Dermatol.* 43(5):560–3. PMID:26460241
1572. Liu H, Chen S, Zhang F, Shi B, Shi Z, Zhang D, et al. (2010). Seborrhic keratosis or verruca plana? A pilot study with confocal laser scanning microscopy. *Skin Res Technol.* 16(4):408–12. PMID:21039905
1573. Liu HL, Hoppe RT, Kohler S, Harvell JD, Reddy S, Kim YH (2003). CD30+ cutaneous lymphoproliferative disorders: the Stanford experience in lymphomatoid papulosis and primary cutaneous anaplastic large cell lymphoma. *J Am Acad Dermatol.* 49(6):1049–58. PMID:14639383
1574. Liu W, Dowling JP, Murray WK, McArthur GA, Thompson JF, Wolfe R, et al. (2006). Rate of growth in melanomas: characteristics and associations of rapidly growing melanomas. *Arch Dermatol.* 142(12):1551–8. PMID:17178980
1575. Livi L, Shah N, Paia F, Fisher C, Judson I, Moskvic E, et al. (2003). Treatment of epithelioid sarcoma at the Royal Marsden Hospital. *Sarcoma.* 7(3–4):149–52. PMID:18521379
1576. Patterson JW (2015). Tumors of the epidermis: actinic keratosis. In: *Weedon's skin pathology.* 4th ed. London: Elsevier; pp. 796–9.
1577. Patterson JW (2015). Tumors of the epidermis: arsenic keratosis. In: *Weedon's skin pathology.* 4th ed. London: Elsevier; p. 800.
1578. Llamas-Velasco M, Pérez-González YC, Requena L, Kutzner H (2014). Histopathologic clues for the diagnosis of Wiesner nevus. *J Am Acad Dermatol.* 70(3):549–54. PMID:24373783
1579. Llamas-Velasco M, Requena L, Adam J, Frizzell N, Hartmann A, Mentzel T (2016). Loss of fumarate hydratase and aberrant protein succination detected with S-(2-succino)-cysteine staining to identify patients with multiple cutaneous and uterine leiomyomatosis and hereditary leiomyomatosis and renal cell cancer syndrome. *Am J Dermatopathol.* 38(12):887–91. PMID:27097334
1580. Llamas-Velasco M, Requena L, Kutzner



- H, Schärer L, Rütten A, Hantschke M, et al. (2014). Fumarate hydratase immunohistochemical staining may help to identify patients with multiple cutaneous and uterine leiomyomatosis (MCUL) and hereditary leiomyomatosis and renal cell cancer (HLRCC) syndrome. *J Cutan Pathol*. 41(11):859–65. PMID:25292446
1581. Llamas-Velasco M, Requena L, Podda M, Weidenthaler-Barth B, Rütten A (2014). Apocrine intraductal carcinoma in situ in nevus sebaceus: two case reports. *J Cutan Pathol*. 41(12):944–9. PMID:25302933
1582. Lombart B, Serra-Guillén C, Monteagudo C, López Guerrero JA, Sanmartín O (2013). Dermatofibrosarcoma protuberans: a comprehensive review and update on diagnosis and management. *Semin Diagn Pathol*. 30(1):13–28. PMID:23327727
1583. Lombart-Bosch A, Machado I, Navarro S, Bertoni F, Bacchini P, Alberghini M, et al. (2009). Histological heterogeneity of Ewing's sarcoma/PNET: an immunohistochemical analysis of 415 genetically confirmed cases with clinical support. *Virchows Arch*. 455(5):397–411. PMID:19841938
1584. Lodish MB, Yuan B, Levy I, Braunstein GD, Lyssikatos C, Salpea P, et al. (2015). Germline PRKACA amplification causes variable phenotypes that may depend on the extent of the genomic defect: molecular mechanisms and clinical presentations. *Eur J Endocrinol*. 172(6):803–11. PMID:25924874
1585. Loeb KR, Asgari MM, Hawes SE, Feng Q, Stern JE, Jiang M, et al. (2012). Analysis of Tp53 codon 72 polymorphisms, Tp53 mutations, and HPV infection in cutaneous squamous cell carcinomas. *PLoS One*. 7(4):e34422. PMID:22545084
1586. Loh J, Kenny P (2010). Meyerson phenomenon. *J Cutan Med Surg*. 14(1):30–2. PMID:20128988
1587. Lohmann DR, Gillissen-Kaesbach G (2000). Multiple subcutaneous granular-cell tumours in a patient with Noonan syndrome. *Clin Dysmorphol*. 9(4):301–2. PMID:11045593
1588. Lomas A, Leonardi-Bee J, Bath-Hextall F (2012). A systematic review of worldwide incidence of nonmelanoma skin cancer. *Br J Dermatol*. 166(5):1069–80. PMID:22251204
1589. Lombardi R, Jovine E, Zanini N, Salone MC, Gambarotti M, Righi A, et al. (2013). A case of lung metastasis in myxoinflammatory fibroblastic sarcoma: analytical review of one hundred and thirty eight cases. *Int Orthop*. 37(12):2429–36. PMID:24158237
1590. López L, Vélez R (2016). Atypical fibroxanthoma. *Arch Pathol Lab Med*. 140(4):376–9. PMID:27028396
1591. López V, Martín JM, Monteagudo C, Jordá E (2010). Epidemiology of pediatric dermatologic surgery: a retrospective study of 996 children. *Actas Dermosifiliogr*. 101(9):771–7. [Spanish] PMID:21034707
1592. Lott JP, Elmore JG, Zhao GA, Knezevich SR, Frederick PD, Reisch LM, et al. (2016). Evaluation of the Melanocytic Pathology Assessment Tool and Hierarchy for Diagnosis (MPATH-Dx) classification scheme for diagnosis of cutaneous melanocytic neoplasms: results from the International Melanoma Pathology Study Group. *J Am Acad Dermatol*. 75(2):356–63. PMID:27189823
1593. Lott JP, Wittsuwannakul J, Lee JJ, Ariyan S, Narayan D, Kluger HH, et al. (2014). Clinical characteristics associated with Spitz nevi and Spitzoid malignant melanomas: the Yale University Spitzoid Neoplasm Repository experience, 1991 to 2008. *J Am Acad Dermatol*. 71(6):1077–82. PMID:25308882
1594. Lowe S, Ferrandi RA, Morris-Jones R, Salisbury J, Mangeya N, Dimairo M, et al. (2010). Skin disease among human immunodeficiency virus-infected adolescents in Zimbabwe: a strong indicator of underlying HIV infection. *Pediatr Infect Dis J*. 29(4):346–51. PMID:19940800
1595. Lu C, Zhang J, Nagahawatte P, Easton J, Lee S, Liu Z, et al. (2015). The genomic landscape of childhood and adolescent melanoma. *J Invest Dermatol*. 135(3):816–23. PMID:25268584
1596. Lucas GL, Nordby EJ (1974). Sweat gland carcinoma of the hand. *Hand*. 6(1):98–102. PMID:4825405
1597. Lucioni M, Novara F, Fiandrino G, Riboni R, Fanoni D, Arra M, et al. (2011). Twenty-one cases of blastic plasmacytoid dendritic cell neoplasms: focus on biallelic locus 9p21.3 deletion. *Blood*. 118(17):4591–4. PMID:21900200
1598. Luskin MR, Huen AO, Brooks SA, Stewart C, Watt CD, Morrisette JJ, et al. (2015). NPM1 mutation is associated with leukemia cutis in acute myeloid leukemia with monocytic features. *Haematologica*. 100(10):e412–4. PMID:26113416
1599. Luz FB, Gaspar AP, Ramos-e-Silva M, Carvalho da Fonseca E, Villar EG, Cordovil Pires AR, et al. (2005). Immunohistochemical profile of multicentric reticulohistiocytosis. *Skinmed*. 4(2):71–7. PMID:15785133
1600. Luz FB, Gaspar NK, Gaspar AP, Carneiro S, Ramos-e-Silva M (2007). Multicentric reticulohistiocytosis: a proliferation of macrophages with tropism for skin and joints, part I. *Skinmed*. 6(4):172–8. PMID:17618169
1601. Luz FB, Kurizky PS, Ramos-e-Silva M (2007). Reticulohistiocytosis. *Dermatol Clin*. 25(4):625–32, x. PMID:17903621
1602. Luzar B, Calonje E (2009). Superficial acral fibromyxoma: clinicopathological study of 14 cases with emphasis on a cellular variant. *Histopathology*. 54(3):375–7. PMID:19236516
1603. Luzar B, Calonje E (2010). Morphological and immunohistochemical characteristics of atypical fibroxanthoma with a special emphasis on potential diagnostic pitfalls: a review. *J Cutan Pathol*. 37(3):301–9. PMID:19807823
1604. Luzar B, Falconieri G (2017). Cutaneous malignant peripheral nerve sheath tumor. *Surg Pathol Clin*. 10(2):337–43. PMID:28477884
1605. Luzar B, Shanesmith R, Calonje E (2015). Perineural growth of benign cutaneous sweat gland tumors: a hitherto unrecognized phenomenon unassociated with malignancy. *J Cutan Pathol*. 42(11):878–83. PMID:26260952
1606. Luzar B, Shanesmith R, Ramakrishnan R, Fisher C, Calonje E (2016). Cutaneous epithelioid malignant peripheral nerve sheath tumour: a clinicopathological analysis of 11 cases. *Histopathology*. 68(2):286–96. PMID:26096054
1607. Luzar B, Tanaka M, Schneider J, Calonje E (2016). Cutaneous microcystic/reticular schwannoma: a poorly recognized entity. *J Cutan Pathol*. 43(2):93–100. PMID:26350054
1608. Lv J, Dai B, Kong Y, Shen X, Kong J (2016). Acral melanoma in Chinese: a clinicopathological and prognostic study of 142 cases. *Sci Rep*. 6:31432. PMID:27545198
1609. Ly L, Christie M, Swain S, Winship I, Kelly JW (2011). Melanoma(s) arising in large segmental speckled lentiginous nevi: a case series. *J Am Acad Dermatol*. 64(6):1190–3. PMID:21571187
1610. Lynde CW, McLean DI, Wood WS (1984). Tumors of ceruminous glands. *J Am Acad Dermatol*. 11(5 Pt 1):841–7. PMID:6096419
1611. Lynnhtun K, Achan A, Shingde M, Chou S, Howie JR, Sharma R (2012). Plexiform fibrohistiocytic tumour: morphological changes and challenges in assessment of recurrent and metastatic lesions. *Histopathology*. 60(7):1156–8. PMID:22435737
1612. Lyons LL, North PE, Mac-Moune LA F, Stoler MH, Folpe AL, Weiss SW (2004). Kaposiform hemangioendothelioma: a study of 33 cases emphasizing its pathologic, immunophenotypic, and biologic uniqueness from juvenile hemangioma. *Am J Surg Pathol*. 28(5):559–68. PMID:15105642
1613. Ma JE, Wieland CN, Tollefson MM (2017). Dermatofibromas arising in children: report of two new cases and review of the literature. *Pediatr Dermatol*. 34(3):347–51. PMID:28318057
1614. Macareno AC, Macareno RS (2008). Cutaneous lipomatous sclerosing perineurioma. *Am J Dermatopathol*. 30(3):291–4. PMID:18496437
1615. Macareno RS, Erickson-Johnson M, Wang X, Jenkins RB, Nascimento AG, Oliveira AM (2007). Cytogenetic and molecular cytogenetic findings in dedifferentiated liposarcoma with neural-like whorling pattern and metaplastic bone formation. *Cancer Genet Cytogenet*. 172(2):147–50. PMID:17213023
1616. Macchia G, Trombetta D, Möller E, Mertens F, Storazzi CT, Debiec-Rychter M, et al. (2012). FOSL1 as a candidate target gene for 11q12 rearrangements in desmoplastic fibroblastoma. *Lab Invest*. 92(5):735–43. PMID:22411068
1617. Macgregor S, Montgomery GW, Liu JZ, Zhao ZZ, Henders AK, Stark M, et al. (2011). Genome-wide association study identifies a new melanoma susceptibility locus at 1q21.3. *Nat Genet*. 43(11):1114–8. PMID:21983785
1618. Macgregor S, Vergier B, Dubus P, Beylot-Barry M, Belleannée G, Delaunay MM, et al. (1996). CD30-positive cutaneous large cell lymphomas. A comparative study of clinicopathologic and molecular features of 16 cases. *Am J Clin Pathol*. 105(4):440–50. PMID:8604686
1619. Machado I, Lombart B, Calabuig-Fariñas S, Lombart-Bosch A (2011). Superficial Ewing's sarcoma family of tumors: a clinicopathological study with differential diagnoses. *J Cutan Pathol*. 38(8):636–43. PMID:21649689
1620. Machado I, Nogueira R, Mateos EA, Calabuig-Fariñas S, López FI, Martínez A, et al. (2011). The many faces of atypical Ewing's sarcoma. A true entity mimicking sarcomas, carcinomas and lymphomas. *Virchows Arch*. 458(3):281–90. PMID:21181413
1621. Machan S, Molina-Ruiz AM, Fernández-Aceñero MJ, Encabo B, LeBoit P, Bastian BC, et al. (2015). Metastatic melanoma in association with a giant congenital melanocytic nevus in an adult: controversial CGH findings. *Am J Dermatopathol*. 37(6):487–94. PMID:25062263
1622. Madankumar R, Gumaste PV, Martires K, Schaffer PR, Choudhary S, Falto-Aizpurua L, et al. (2016). Acral melanocytic lesions in the United States: prevalence, awareness, and dermoscopic patterns in skin-of-color and non-Hispanic white patients. *J Am Acad Dermatol*. 74(4):724–30.e1. PMID:26803347
1623. Amador-Ortiz C, Hurley MY, Ghahramani GK, Frisch S, Klcó JM, Lind AC, et al. (2011). Use of classic and novel immunohistochemical markers in the diagnosis of cutaneous myeloid sarcoma. *J Cutan Pathol*. 38(12):945–53. PMID:22050091
1624. Maeda M, Shimizu A, Ikuta K, Okamoto H, Kashiwara M, Uchiyama T, et al. (1985). Origin of human T-lymphotrophic virus I-positive T cell lines in adult T cell leukemia. Analysis of T cell receptor gene rearrangement. *J Exp Med*. 162(6):2169–74. PMID:2866223
1625. Magaña M, Massone C, Magaña P, Cerroni L (2016). Clinicopathologic features of hydroa vacciniforme-like lymphoma: a series of 9 patients. *Am J Dermatopathol*. 38(1):20–5. PMID:26368647
1626. Maggiani F, Debiec-Rychter M, Vanbockrijck M, Sciort R (2007). Cellular angiofibroma: another mesenchymal tumour with 13q14 involvement, suggesting a link with spindle cell lipoma and (extra-)mammary myofibroblastoma. *Histopathology*. 51(3):410–2. PMID:17727484
1627. Maghari A, Ma N, Aisner S, Benevise J, Hameed M (2009). Collagenous fibroma (desmoplastic fibroblastoma) with a new translocation involving 11q12: a case report. *Cancer Genet Cytogenet*. 192(2):74–6. PMID:19596257
1628. Magni M, Di Nicola M, Cario-Stella C, Matteucci P, Lavazza C, Grisanti S, et al. (2002). Identical rearrangement of immunoglobulin heavy chain gene in neoplastic Langerhans cells and B-lymphocytes: evidence for a common precursor. *Leuk Res*. 26(12):103–5. PMID:12443887
1629. Magro CM, Abraham RM, Guo R, Li S, Wang X, Proper S, et al. (2014). Deep penetrating nevus-like borderline tumor: a unique subset of ambiguous melanocytic tumors with malignant potential and novel cytogenetics. *Eur J Dermatol*. 24(5):584–602. PMID:25118781
1630. Magro CM, Crowson AN, Kovach AL, Burns F (2001). Lupus profundus, indeterminate lymphocytic lobular panniculitis and subcutaneous T-cell lymphoma: a spectrum of subcuticular T-cell lymphoid dyscrasia. *J Cutan Pathol*. 28(5):235–47. PMID:11401667
1631. Magro CM, Morrison CD, Heenan W, Porcu P, Sroa N, Deng AC (2006). T-cell lymphocytic leukemia: an aggressive T cell malignancy with frequent cutaneous tropism. *J Am Acad Dermatol*. 55(3):467–77. PMID:16900000
1632. Magro CM, Yang A, Fraga G (2003). Blastic marginal zone lymphoma: a clinical and pathological study of 8 cases and review of the literature. *Am J Dermatopathol*. 35(3):274–85. PMID:23190506
1633. Magro G, Bisceglia M, Michal W, Ezzati V (2002). Spindle cell lipoma-like tumor: solitary fibrous tumor and myofibroblastoma of the breast: a clinico-pathological analysis of 13 cases in favor of a unifying histogenetic concept. *Virchows Arch*. 440(3):246–60. PMID:11889594
1634. Magro G, Calabiano R, Di Castelnuovo A, Puzzo L (2007). CD10 is expressed by mammary myofibroblastoma and spindle cell lipoma of soft tissue: an additional evidence of their histogenetic linking. *Virchows Arch*. 450(6):727–8. PMID:17497167
1635. Mahalingam M (2017). MS4E pattern present and Muir-Torre syndrome—connecting the dots. *Am J Dermatopathol*. 39(4):234–40. PMID:28323777
1636. Mahalingam M, Alter JN, Shaver JJ (2006). Multiple cellular neurofibrosarcoma: case report and review on the role of immunohistochemistry as a histologic adjunct. *J Cutan Pathol*. 33(1):51–6. PMID:16441413
1637. Mahalingam M, Goldberg LI (2001). Physical pilar leiomyoma: cutaneous counterpart of uterine symplastic leiomyoma? *Am J Dermatopathol*. 23(4):299–303. PMID:11481520
1638. Mahalingam M, Nguyen LP, Roberts JE, Muzikansky A, Hoang MP (2010). The diagnostic utility of immunohistochemistry in distinguishing primary skin adnexal carcinomas from metastatic adenocarcinoma to skin: an immunohistochemical reappraisal using cytokeratin 15, nestin, p63, D2-40, and cathepsin K. *Mod Pathol*. 23(5):713–9. PMID:20190704
1639. Mahalingam M, Srivastava A, Hoang MP (2010). Expression of stem-cell markers (cytokeratin 15 and nestin) in primary adnexal neoplasms—clues to etiopathogenesis. *Am J Dermatopathol*. 32(8):774–9. PMID:20700000
1640. Mahima VG, Patil K, Srikanth HS (2011).



- Recurrent oral angioleiomyoma. *Contemp Clin Dent*. 2(2):102–5. PMID:21957385
- 1641.** Mahomed F, Blok J, Grayson W (2008). The squamous variant of eccrine porocarcinoma: a clinicopathological study of 21 cases. *J Clin Pathol*. 61(3):361–5. PMID:17704263
- 1642.** Maize JC Jr, McCalmont TH, Carlson JA, Busam KJ, Kutzner H, Bastian BC (2005). Genomic analysis of blue nevi and related dermal melanocytic proliferations. *Am J Surg Pathol*. 29(9):1214–20. PMID:16096412
- 1643.** Majewski S, Jablonska S (1997). Human papillomavirus-associated tumors of the skin and mucosa. *J Am Acad Dermatol*. 36(5 Pt 1):659–85. PMID:9146528
- 1644.** Mäkitie T, Summanen P, Tarkkanen A, Kivelä T (2001). Tumor-infiltrating macrophages (CD68(+) cells) and prognosis in malignant uveal melanoma. *Invest Ophthalmol Vis Sci*. 42(7):1414–21. PMID:11381040
- 1645.** Maldonado JL, Fridlyand J, Patel H, Jain AN, Busam K, Kageshita T, et al. (2003). Determinants of BRAF mutations in primary melanomas. *J Natl Cancer Inst*. 95(24):1878–90. PMID:14679157
- 1646.** Malhotra B, Schuetze SM (2012). Dermatofibrosarcoma protuberans treatment with platelet-derived growth factor receptor inhibitor: a review of clinical trial results. *Curr Opin Oncol*. 24(4):419–24. PMID:22510939
- 1647.** Malhotra P, Walia H, Singh A, Ramesh V (2010). Leiomyoma cutis: a clinicopathological series of 37 cases. *Indian J Dermatol*. 55(4):337–41. PMID:21430885
- 1648.** Malik K, Patel P, Chen J, Khachemoune A (2015). Leiomyoma cutis: a focused review on presentation, management, and association with malignancy. *Am J Clin Dermatol*. 16(1):35–46. PMID:25605645
- 1649.** Mallett BR, Matutes E, Catovsky D, MacLennan K, Mortimer PS, Holden CA (1995). Cutaneous infiltration in T-cell prolymphocytic leukaemia. *Br J Dermatol*. 132(2):263–6. PMID:7888364
- 1650.** Mallone S, De Vries E, Guzzo M, Midena E, Verne J, Coebergh JW, et al. (2012). Descriptive epidemiology of malignant mucosal and uveal melanomas and adnexal skin carcinomas in Europe. *Eur J Cancer*. 48(8):1167–75. PMID:22119735
- 1651.** Maly A, Epstein D, Meir K, Pe'er J (2008). Histological criteria for grading of atypia in melanocytic conjunctival lesions. *Pathology*. 40(7):676–81. PMID:18985522
- 1652.** Mamba NC (1983). Eccrine spiradenoma: clinical and pathologic study of 49 tumors. *J Cutan Pathol*. 10(5):312–20. PMID:6313776
- 1653.** Mandahl N, Heim S, Willén H, Rydholm A, Mitelman F (1990). Supernumerary ring chromosome as the sole cytogenetic abnormality in a dermatofibrosarcoma protuberans. *Cancer Genet Cytogenet*. 49(2):273–5. PMID:2208065
- 1654.** Mandahl N, Höglund M, Mertens F, Rydholm A, Willén H, Brosjö O, et al. (1994). Cytogenetic aberrations in 188 benign and borderline adipose tissue tumors. *Genes Chromosomes Cancer*. 9(3):207–15. PMID:7515663
- 1655.** Mandal RV, Murali R, Lundquist KF, Ragsdale BD, Heenan P, McCarthy SW, et al. (2009). Pigmented epithelioid melanocytoma: favorable outcome after 5-year follow-up. *Am J Surg Pathol*. 33(12):1778–82. PMID:19773637
- 1656.** Mane DR, Kale AD, Hallikerimath S, Angadi P, Kotrashetti V (2010). Trichilemmal carcinoma associated with xeroderma pigmentosa: report of a rare case. *J Oral Sci*. 52(3):505–7. PMID:20881348
- 1657.** Manner J, Radlwimmer B, Hohenberger P, Mössinger K, Küffer S, Sauer C, et al. (2010). MYC high level gene amplification is a distinctive feature of angiosarcomas after irradiation or chronic lymphedema. *Am J Pathol*. 176(1):34–9. PMID:20008140
- 1658.** Mansoor A, Fidda N, Himoe E, Payne M, Lawce H, Magenisi RE (2004). Myxoinflammatory fibroblastic sarcoma with complex supernumerary ring chromosomes composed of chromosome 3 segments. *Cancer Genet Cytogenet*. 152(1):61–5. PMID:15193443
- 1659.** Mao X, Lillington DM, Czepulkowski B, Russell-Jones R, Young BD, Whittaker S (2003). Molecular cytogenetic characterization of Sézary syndrome. *Genes Chromosomes Cancer*. 36(3):250–60. PMID:12557225
- 1660.** Marchese C, Montera M, Torrini M, Goldoni F, Mareni C, Forni M, et al. (2003). Granular cell tumor in a PHTS patient with a novel germline PTEN mutation. *Am J Med Genet A*. 120A(2):286–8. PMID:12833416
- 1661.** Margolis RJ, Tong AK, Byers HR, Mihm MC Jr (1989). Comparison of acral nevomelanocytic proliferations in Japanese and whites. *J Invest Dermatol*. 92(5 Suppl):222S–6S. PMID:2715654
- 1662.** Maric I, Pittaluga S, Dale JK, Niemela JE, Delsol G, Diment J, et al. (2005). Histologic features of sinus histiocytosis with massive lymphadenopathy in patients with autoimmune lymphoproliferative syndrome. *Am J Surg Pathol*. 29(7):903–11. PMID:15958855
- 1663.** Markovich SN, Erickson LA, Rao RD, Weenig RH, Pockaj BA, Bardia A, et al. (2007). Malignant melanoma in the 21st century, part 1: epidemiology, risk factors, screening, prevention, and diagnosis. *Mayo Clin Proc*. 82(3):364–80. PMID:17352373
- 1664.** Marks R (1997). Epidemiology of non-melanoma skin cancer and solar keratoses in Australia: a tale of self-immolation in Elysian Fields. *Australas J Dermatol*. 38 Suppl 1:S26–9. PMID:10994467
- 1665.** Marque M, Bessis D, Pedeutour F, Viseux V, Guillot B, Fraïtag-Spinner S (2009). Medallion-like dermal dendrocyte hamartoma: the main diagnostic pitfall is congenital atrophic dermatofibrosarcoma. *Br J Dermatol*. 160(1):190–3. PMID:19016705
- 1666.** Marshall-Taylor C, Fanburg-Smith JC (2000). Hemosiderotic fibrohistiocytic lipomatous lesion: ten cases of a previously undescribed fatty lesion of the foot/ankle. *Mod Pathol*. 13(11):1192–9. PMID:11106076
- 1667.** Martel P, Laroche L, Courville P, Larroche C, Wechsler J, Lenormand B, et al. (2000). Cutaneous involvement in patients with angioimmunoblastic lymphadenopathy with dysproteinaemia: a clinical, immunohistological, and molecular analysis. *Arch Dermatol*. 136(7):881–6. PMID:10890990
- 1668.** Martignetti JA, Tian L, Li D, Ramirez MC, Camacho-Vanegas O, Camacho SC, et al. (2013). Mutations in PDGFRB cause autosomal-dominant infantile myofibromatosis. *Am J Hum Genet*. 92(6):1001–7. PMID:23731542
- 1669.** Martín Flores-Stadler E, Gonzalez-Crussi F, Greene M, Thangavelu M, Kletzel M, Chou PM (1999). Indeterminate-cell histiocytosis: immunophenotypic and cytogenetic findings in an infant. *Med Pediatr Oncol*. 32(4):250–4. PMID:10102017
- 1670.** Martin M, Maßhöfer L, Temming P, Rahmann S, Metz C, Bornfeld N, et al. (2013). Exome sequencing identifies recurrent somatic mutations in EIF1AX and SF3B1 in uveal melanoma with disomy 3. *Nat Genet*. 45(8):933–6. PMID:23793026
- 1671.** Martin RC, Murali R, Scolyer RA, Fitzgerald P, Colman MH, Thompson JF (2009). So-called "malignant blue nevus": a clinicopathologic study of 23 patients. *Cancer*. 115(13):2949–55. PMID:19472395
- 1672.** Martin-Martin L, López A, Vidriales B, Caballero MD, Rodríguez AS, Ferreira SI, et al. (2015). Classification and clinical behavior of blastic plasmacytoid dendritic cell neoplasms according to their maturation-associated immunophenotypic profile. *Oncotarget*. 6(22):19204–16. PMID:26056082
- 1673.** Martínez SR, Barr KL, Canter RJ (2011). Rare tumors through the looking glass: an examination of malignant cutaneous adnexal tumors. *Arch Dermatol*. 147(9):1058–62. PMID:21931043
- 1674.** Martínez-Escala ME, Sidiropoulos M, Deonizio J, Gerami P, Kadin ME, Guitart J (2015).  $\gamma\delta$  T-cell-rich variants of pityriasis lichenoides and lymphomatoid papulosis: benign cutaneous disorders to be distinguished from aggressive cutaneous  $\gamma\delta$  T-cell lymphomas. *Br J Dermatol*. 172(2):372–9. PMID:25143223
- 1675.** Marzano AV, Ghislanzoni M, Gianelli U, Caputo R, Alessi E, Berti E (2005). Fatal CD8+ epidermotropic cytotoxic primary cutaneous T-cell lymphoma with multiorgan involvement. *Dermatology*. 211(3):281–5. PMID:16205076
- 1676.** Marzuka AG, Book SE (2015). Basal cell carcinoma: pathogenesis, epidemiology, clinical features, diagnosis, histopathology, and management. *Yale J Biol Med*. 88(2):167–79. PMID:26029015
- 1677.** Paulson KG, Park SY, Vandeven NA, Lachance K, Thomas H, Chapuis AG, et al. (2018). Merkel cell carcinoma: current US incidence and projected increases based on changing demographics. *J Am Acad Dermatol*. 78(3):457–63.e2. PMID:29102486
- 1678.** Mason A, Wititsuwannakul J, Klump VR, Lott J, Lazova R (2012). Expression of p16 alone does not differentiate between Spitz nevi and Spitzoid melanoma. *J Cutan Pathol*. 39(12):1062–74. PMID:23005921
- 1679.** Massi D, Carli P, Franchi A, Santucci M (1999). Naevus-associated melanomas: cause or chance? *Melanoma Res*. 9(1):85–91. PMID:10338338
- 1680.** Massi D, Franchi A, Alos L, Cook M, Di Palma S, Enguita AB, et al. (2010). Primary cutaneous leiomyosarcoma: clinicopathological analysis of 36 cases. *Histopathology*. 56(2):251–62. PMID:20102404
- 1681.** Massi G, Leboit P, editors (2014). *Histological diagnosis of nevi and melanoma*. 2nd ed. Berlin: Springer.
- 1682.** Massi G, Leboit PE (2014). Combined nevus. In: *Histological diagnosis of nevi and melanoma*. 2nd ed. Berlin: Springer; pp. 285–300.
- 1683.** Massone C, Cerroni L (2014). Phenotypic variability in primary cutaneous anaplastic large T-cell lymphoma: a study on 35 patients. *Am J Dermatopathol*. 36(2):153–7. PMID:24394302
- 1684.** Massone C, Chott A, Metzke D, Kerl K, Citarella L, Vale E, et al. (2004). Subcutaneous, blastic natural killer (NK), NK/T-cell, and other cytotoxic lymphomas of the skin: a morphologic, immunophenotypic, and molecular study of 50 patients. *Am J Surg Pathol*. 28(6):719–35. PMID:15166664
- 1685.** Massone C, Crisman G, Kerl H, Cerroni L (2008). The prognosis of early mycosis fungoides is not influenced by phenotype and T-cell clonality. *Br J Dermatol*. 159(4):881–6. PMID:18644018
- 1686.** Massone C, El-Shabrawi-Caelen L, Kerl H, Cerroni L (2008). The morphologic spectrum of primary cutaneous anaplastic large T-cell lymphoma: a histopathologic study on 66 biopsy specimens from 47 patients with report of rare variants. *J Cutan Pathol*. 35(1):46–53. PMID:18095994
- 1687.** Massone C, Kodama K, Kerl H, Cerroni L (2005). Histopathologic features of early (patch) lesions of mycosis fungoides: a morphologic study on 745 biopsy specimens from 427 patients. *Am J Surg Pathol*. 29(4):550–60. PMID:15767812
- 1688.** Massone C, Kodama K, Salmhofer W, Abe R, Shimizu H, Parodi A, et al. (2005). Lupus erythematosus panniculitis (lupus profundus): clinical, histopathological, and molecular analysis of nine cases. *J Cutan Pathol*. 32(6):396–404. PMID:15953372
- 1689.** Massone C, Lozzi GP, Egberts F, Fink-Puches R, Cota C, Kerl H, et al. (2006). The protean spectrum of non-Hodgkin lymphomas with prominent involvement of subcutaneous fat. *J Cutan Pathol*. 33(6):418–25. PMID:16776717
- 1690.** Mastrangelo G, Coindre JM, Ducimetière F, Dei Tos AP, Fadda E, Blay JY, et al. (2012). Incidence of soft tissue sarcoma and beyond: a population-based prospective study in 3 European regions. *Cancer*. 118(21):5339–48. PMID:22517534
- 1691.** Masuda T, Arata J (1987). An epithelioma with hair follicle and apocrine differentiation. *J Dermatol*. 14(1):81–4. PMID:3301956
- 1692.** Mataix J, López N, Haro R, González E, Angulo J, Requena L (2007). Late-onset Ito's nevus: an uncommon acquired dermal melanocytosis. *J Cutan Pathol*. 34(8):640–3. PMID:17640235
- 1693.** Mathew R, Morgan MB (2006). Dermal atypical lipomatous tumor/well-differentiated liposarcoma obscured by epidermal inclusion cyst: a wolf in sheep's clothing? *Am J Dermatopathol*. 28(4):338–40. PMID:16871039
- 1694.** Mathew RA, Bennett JM, Liu JJ, Komroji RS, Lancet JE, Naghashpour M, et al. (2012). Cutaneous manifestations in CMML: indication of disease acceleration or transformation to AML and review of the literature. *Leuk Res*. 36(1):72–80. PMID:21782240
- 1695.** Mathiak M, Rütten A, Mangold E, Fischer HP, Ruzicka T, Friedl W, et al. (2002). Loss of DNA mismatch repair proteins in skin tumors from patients with Muir-Torre syndrome and MSH2 or MLH1 germline mutations: establishment of immunohistochemical analysis as a screening test. *Am J Surg Pathol*. 26(3):338–43. PMID:11859205
- 1696.** Mathis ED, Honningford JB, Rodríguez HE, Wind KP, Connolly MM, Podbielski FJ (2001). Malignant proliferating trichilemmal tumor. *Am J Clin Oncol*. 24(4):351–3. PMID:11474259
- 1697.** Matito A, Morgado JM, Álvarez-Twose I, Sánchez-Muñoz L, Pedreira CE, Jara-Acevedo M, et al. (2013). Serum tryptase monitoring in indolent systemic mastocytosis: association with disease features and patient outcome. *PLoS One*. 8(10):e76116. PMID:24155887
- 1698.** Matsue K, Asada N, Odawara J, Aoki T, Kimura S, Iwama K, et al. (2011). Random skin biopsy and bone marrow biopsy for diagnosis of intravascular large B cell lymphoma. *Ann Hematol*. 90(4):417–21. PMID:20957365
- 1699.** Matsuyama A, Hisaoka M, Hashimoto H (2007). Angioleiomyoma: a clinicopathologic and immunohistochemical reappraisal with special reference to the correlation with myopericytoma. *Hum Pathol*. 38(4):645–51. PMID:17270242
- 1700.** Matt D, Xin H, Vortmeyer AO, Zhuang Z, Burg G, Böni R (2000). Sporadic trichoepithelioma demonstrates deletions at 9q22.3. *Arch Dermatol*. 136(5):657–60. PMID:10815860
- 1701.** Matter MS, Bihl M, Juskevicius D, Tzankov A (2017). Is Rosai-Dorfman disease a reactive process? Detection of a MAP2K1 L115V mutation in a case of Rosai-Dorfman disease. *Virchows Arch*. 471(4):545–7. PMID:28597077
- 1702.** Matutes E, Brito-Babapulle V, Swansbury J, Ellis J, Morilla R, Dearden C, et al. (1991). Clinical and laboratory features of 78 cases of T-prolymphocytic leukemia. *Blood*.



- 78(12):3269–74. PMID:1742486
- 1703.** Maughan C, Kolker S, Markus B, Young J (2014). Leukemia cutis coexisting with dermatofibroma as the initial presentation of B-cell chronic lymphocytic leukemia/small lymphocytic lymphoma. *Am J Dermatopathol.* 36(1):e14–5. PMID:23974225
- 1704.** Mayerl C, Del Frari B, Parson W, Boeck G, Piza-Katzer H, Wick G, et al. (2016). Characterisation of the inflammatory response in Dupuytren's disease. *J Plast Surg Hand Surg.* 50(3):171–9. PMID:26852784
- 1705.** McArthur GA, Demetri GD, van Oosterom A, Heinrich MC, Debiec-Rychter M, Corless CL, et al. (2005). Molecular and clinical analysis of locally advanced dermatofibrosarcoma protuberans treated with imatinib: Imatinib Target Exploration Consortium Study B2225. *J Clin Oncol.* 23(4):866–73. PMID:15681532
- 1706.** McBride SR, Leonard N, Reynolds NJ (2002). Loss of p21(WAF1) compartmentalisation in sebaceous carcinoma compared with sebaceous hyperplasia and sebaceous adenoma. *J Clin Pathol.* 55(10):763–6. PMID:12354803
- 1707.** McCalmont TH (2010). Paranuclear dots of neurofilament reliably identify Merkel cell carcinoma. *J Cutan Pathol.* 37(8):821–3. PMID:20642632
- 1708.** McCarthy SW, Scolyer RA, Palmer AA (2004). Desmoplastic melanoma: a diagnostic trap for the unwary. *Pathology.* 36(5):445–51. PMID:15370114
- 1709.** McCluggage WG, Jamison J, Boyde A, Ganesan R (2009). Vulval intraepithelial neoplasia with mucinous differentiation: report of 2 cases of a hitherto undescribed phenomenon. *Am J Surg Pathol.* 33(6):945–9. PMID:19238078
- 1709A.** McComb EN, Feely MG, Neff JR, Johansson SL, Nelson M, Bridge JA (2001). Cytogenetic instability, predominantly involving chromosome 1, is characteristic of elastofibroma. *Cancer Genet Cytogenet.* 126(1):68–72. PMID:11343783
- 1710.** McCoppin HH, Christiansen D, Stasko T, Washington C, Martinez JC, Brown MD, et al. (2012). Clinical spectrum of atypical fibroxanthoma and undifferentiated pleomorphic sarcoma in solid organ transplant recipients: a collective experience. *Dermatol Surg.* 38(2):230–9. PMID:22129349
- 1711.** McDonnell KJ, Gallanis GT, Heller KA, Melas M, Idos GE, Culver JO, et al. (2016). A novel BAP1 mutation is associated with melanocytic neoplasms and thyroid cancer. *Cancer Genet.* 209(3):75–81. PMID:26774355
- 1712.** McGinness JL, Spicknall KE, Mutasim DF (2012). Azathioprine-induced EBV-positive mucocutaneous ulcer. *J Cutan Pathol.* 39(3):377–81. PMID:22236092
- 1713.** McGirt LY, Jia P, Baerenwald DA, Duszynski RJ, Dahlman KB, Zic JA, et al. (2015). Whole-genome sequencing reveals oncogenic mutations in mycosis fungoides. *Blood.* 126(4):508–19. PMID:26082451
- 1714.** McGovern VJ (1970). The classification of melanoma and its relationship with prognosis. *Pathology.* 2(2):85–98. PMID:5520514
- 1715.** McKay KM, Doyle LA, Lazar AJ, Hornick JL (2012). Expression of ERG, an Ets family transcription factor, distinguishes cutaneous angiosarcoma from histological mimics. *Histopathology.* 61(5):989–91. PMID:22716285
- 1716.** McKay KM, Sambrano BL, Fox PS, Bassett RL, Chon S, Prieto VG (2013). Thickness of superficial basal cell carcinoma (sBCC) predicts imiquimod efficacy: a proposal for a thickness-based definition of sBCC. *Br J Dermatol.* 169(3):549–54. PMID:23627639
- 1717.** McKee PH, Fletcher CD, Rasbridge SA (1990). The enigmatic eccrine epithelioma (eccrine syringomatous carcinoma). *Am J Dermatopathol.* 12(6):552–61. PMID:2267993
- 1718.** McKee PH, Wilkinson JD, Black MM, Whimster IW (1981). Carcinoma (epithelioma) cuniculatum: a clinico-pathological study of nineteen cases and review of the literature. *Histopathology.* 5(4):425–36. PMID:6168555
- 1719.** McKenzie CA, Chen AC, Choy B, Fernández-Peñas P, Damian DL, Scolyer RA (2016). Classification of high risk basal cell carcinoma subtypes: experience of the ONTRAC study with proposed definitions and guidelines for pathological reporting. *Pathology.* 48(5):395–7. PMID:27311865
- 1720.** McKinley E, Valles R, Bang R, Bocklage T (1998). Signet-ring squamous cell carcinoma: a case report. *J Cutan Pathol.* 25(3):176–81. PMID:9550318
- 1721.** McMenamin ME, Fletcher CD (2001). Mammary-type myofibroblastoma of soft tissue: a tumor closely related to spindle cell lipoma. *Am J Surg Pathol.* 25(8):1022–9. PMID:11474286
- 1722.** McMenamin ME, Fletcher CD (2002). Malignant myopericytoma: expanding the spectrum of tumours with myopericytic differentiation. *Histopathology.* 41(5):450–60. PMID:12405913
- 1723.** McNiff JM, Cooper D, Howe G, Crotty PL, Tallini G, Crouch J, et al. (1996). Lymphomatoid granulomatosis of the skin and lung. An angiocentric T-cell-rich B-cell lymphoproliferative disorder. *Arch Dermatol.* 132(12):1464–70. PMID:8961876
- 1724.** McNiff JM, Eisen RN, Glusac EJ (1999). Immunohistochemical comparison of cutaneous lymphadenoma, trichoblastoma, and basal cell carcinoma: support for classification of lymphadenoma as a variant of trichoblastoma. *J Cutan Pathol.* 26(3):119–24. PMID:10235376
- 1725.** McNiff JM, Subtil A, Cowper SE, Lazova R, Glusac EJ (2005). Cellular digital fibromas: distinctive CD34-positive lesions that may mimic dermatofibrosarcoma protuberans. *J Cutan Pathol.* 32(6):413–8. PMID:15953374
- 1726.** McWhorter HE, Woolner LB (1954). Pigmented nevi, juvenile melanomas and malignant melanomas in children. *Cancer.* 7(3):564–85. PMID:13160941
- 1727.** Meara JG, Shah S, Li KK, Cunningham MJ (1998). The odontogenic keratocyst: a 20-year clinicopathologic review. *Laryngoscope.* 108(2):280–3. PMID:9473082
- 1728.** Meberg R, Kenyon E, Bierman R, Loveland L, Barbosa P (1998). Characterization of plantar verrucae among individuals with human immunodeficiency virus. *J Am Podiatr Med Assoc.* 88(9):442–5. PMID:9770936
- 1729.** Megahed M (1994). Histopathological variants of neurofibroma. A study of 114 lesions. *Am J Dermatopathol.* 16(5):486–95. PMID:7528474
- 1730.** Mehregan AH (1984). Infundibular tumors of the skin. *J Cutan Pathol.* 11(5):387–95. PMID:6392372
- 1731.** Mehregan AH, Brownstein MH (1978). Pilar sheath acanthoma. *Arch Dermatol.* 114(10):1495–7. PMID:718186
- 1732.** Mehregan AH, Tavafoghi V, Ghandchi A (1975). Nevus lipomatous cutaneus superficialis (Hoffmann-Zurhelle). *J Cutan Pathol.* 2(6):307–13. PMID:1219048
- 1733.** Mehregan DA, Mehregan AH (1993). Deep penetrating nevus. *Arch Dermatol.* 129(3):328–31. PMID:8447669
- 1734.** Mehregan DR, Hamzavi F, Brown K (2003). Large cell acanthoma. *Int J Dermatol.* 42(1):36–9. PMID:12581141
- 1735.** Meis-Kindblom JM, Kindblom LG (1998). Acral myxoinflammatory fibroblastic sarcoma: a low-grade tumor of the hands and feet. *Am J Surg Pathol.* 22(8):911–24. PMID:9706971
- 1736.** Melton JL, Rasmussen JE (1991). Clinical manifestations of human papillomavirus infection in nongenital sites. *Dermatol Clin.* 9(2):219–33. PMID:1647902
- 1737.** Menezes J, Acquadro F, Wiseman M, Gómez-López G, Salgado RN, Talavera-Casañas JG, et al. (2014). Exome sequencing reveals novel and recurrent mutations with clinical impact in blastic plasmacytoid dendritic cell neoplasm. *Leukemia.* 28(4):823–9. PMID:24072100
- 1738.** Menguy S, Gros A, Pham-Ledard A, Battistella M, Ortonne N, Comoz F, et al. (2016). MYD88 somatic mutation is a diagnostic criterion in primary cutaneous large B-cell lymphoma. *J Invest Dermatol.* 136(8):1741–4. PMID:27189828
- 1739.** Menon K, Dusza SW, Marghoob AA, Halpern AC, Nehal KS (2006). Classification and prevalence of pigmented lesions in patients with total-body photographs at high risk of developing melanoma. *J Cutan Med Surg.* 10(2):85–91. PMID:17241580
- 1740.** Mentzel T (2001). Cutaneous lipomatous neoplasms. *Semin Diagn Pathol.* 18(4):250–7. PMID:11757864
- 1741.** Mentzel T, Beham A, Calonje E, Katenkamp D, Fletcher CD (1997). Epithelioid hemangioma of skin and soft tissues: clinicopathologic and immunohistochemical study of 30 cases. *Am J Surg Pathol.* 21(4):363–74. PMID:9130982
- 1742.** Mentzel T, Beham A, Katenkamp D, Dei Tos AP, Fletcher CD (1998). Fibrosarcomatous ("high-grade") dermatofibrosarcoma protuberans: clinicopathologic and immunohistochemical study of a series of 41 cases with emphasis on prognostic significance. *Am J Surg Pathol.* 22(5):576–87. PMID:9591728
- 1743.** Mentzel T, Calonje E, Nascimento AG, Fletcher CD (1994). Infantile hemangiopericytoma versus infantile myofibromatosis. Study of a series suggesting a continuous spectrum of infantile myofibroblastic lesions. *Am J Surg Pathol.* 18(9):922–30. PMID:8067513
- 1744.** Mentzel T, Calonje E, Wadden C, Camplejohn RS, Beham A, Smith MA, et al. (1996). Myxofibrosarcoma. Clinicopathologic analysis of 75 cases with emphasis on the low-grade variant. *Am J Surg Pathol.* 20(4):391–405. PMID:8604805
- 1745.** Mentzel T, Dei Tos AP, Sapi Z, Kutzner H (2006). Myopericytoma of skin and soft tissues: clinicopathologic and immunohistochemical study of 54 cases. *Am J Surg Pathol.* 30(1):104–13. PMID:16330949
- 1746.** Mentzel T, Kutzner H (2005). Reticular and plexiform perineurioma: clinicopathological and immunohistochemical analysis of two cases and review of perineurial neoplasms of skin and soft tissues. *Virchows Arch.* 447(4):677–82. PMID:16133356
- 1747.** Mentzel T, Kutzner H (2009). Dermatofibrosarcoma: clinicopathologic and immunohistochemical analysis of 56 cases and reappraisal of a rare and distinct cutaneous neoplasm. *Am J Dermatopathol.* 31(1):44–9. PMID:19155724
- 1748.** Mentzel T, Kutzner H, Rütten A, Hügel H (2001). Benign fibrous histiocytoma (dermatofibroma) of the face: clinicopathologic and immunohistochemical study of 34 cases associated with an aggressive clinical course. *Am J Dermatopathol.* 23(5):419–26. PMID:11801774
- 1749.** Mentzel T, Partanen TA, Kutzner H (1999). Hobnail hemangioma ("targetoid hemosiderotic hemangioma"): clinicopathologic and immunohistochemical analysis of 62 cases. *J Cutan Pathol.* 26(6):279–86. PMID:10472756
- 1750.** Mentzel T, Requena L, Kaddu S, Soares de Aleida LM, Sanguenza OP, Kutzner H (2003). Cutaneous myoepithelial neoplasms: clinicopathologic and immunohistochemical study of
- 20 cases suggesting a continuous spectrum ranging from benign mixed tumor of the skin to cutaneous myoepithelioma and myoepithelial carcinoma. *J Cutan Pathol.* 30(5):294–302. PMID:12753168
- 1751.** Mentzel T, Schärer L, Kazakov DV, Michal M (2007). Myxoid dermatofibrosarcoma protuberans: clinicopathologic, immunohistochemical, and molecular analysis of eight cases. *Am J Dermatopathol.* 29(5):440–8. PMID:17890911
- 1752.** Mentzel T, Schildhaus HU, Palmieri G, Büttner R, Kutzner H (2012). Postirradiation cutaneous angiosarcoma after treatment of breast carcinoma is characterized by MYC amplification in contrast to atypical vascular lesions after radiotherapy and control cases: clinicopathologic, immunohistochemical and molecular analysis of 66 cases. *Mod Pathol.* 25(1):75–85. PMID:21909081
- 1753.** Mentzel T, Wiesner T, Cerroni L, Hantschke M, Kutzner H, Rütten A, et al. (2013). Malignant dermatofibroma: clinicopathologic, immunohistochemical, and molecular analysis of seven cases. *Mod Pathol.* 26(2):256–67. PMID:22996372
- 1754.** Merkel EA, Martini MC, Amin SM, Lee CY, Gerami P (2016). Evaluation of dermoscopic features for distinguishing melanoma from special site nevi of the breast. *J Am Acad Dermatol.* 75(2):364–70. PMID:27313052
- 1755.** Mertens F, Dal Cin P, De Wever I, Fletcher CD, Mandahl N, Mielman F, et al. (2000). Cytogenetic characterization of peripheral nerve sheath tumours: a report of the CHAMP study group. *J Pathol.* 190(1):31–8. PMID:10640989
- 1756.** Mertens F, Fletcher CD, Dal Cin P, De Wever I, Mandahl N, Mielman F, et al. (1998). Cytogenetic analysis of 46 pleomorphic soft-tissue sarcomas and correlation with morphologic and clinical features: a report of the CHAMP Study Group. *Chromosomes and Morphology. Genes Chromosomes Cancer.* 22(1):16–25. PMID:9591630
- 1757.** Mesbah Ardakani N, O'Brien G, Warrick (2016). Symplastic pilar leiomyoma: description of a rare entity. *Am J Dermatopathol.* 38(10):787–9. PMID:26981742
- 1758.** Metcalf JS, Maize JC (1988). Cystic nevus. *Semin Cutan Med Surg.* 18(1):40–4. PMID:10188841
- 1759.** Metcalf JS, Maize JC, LeBoit PE (1980). Circumscribed storiform collagenoma (stellate fibroma). *Am J Dermatopathol.* 13(2):124–4. PMID:2029087
- 1760.** Metzler G, Schaumburg-Laver E, Hainstein O, Rassner G (1996). Malignant dendroid syringoma: immunohistopathology. *Am J Dermatopathol.* 18(1):83–9. PMID:8701957
- 1761.** Meyerson LB (1971). A peculiar psoriasis-like eruption involving pigmented nevi. *Arch Dermatol.* 103(5):510–2. PMID:5580000
- 1763.** Michal M (1998). Inflammatory nevusoid tumor of the soft parts with bizarre giant cells. *Pathol Res Pract.* 194(5):524–6. PMID:9779486
- 1764.** Michal M, Bisceglia M, Di Matteo R, Requena L, Fanburg-Smith JC, Waisnberg P, et al. (2002). Gigantic cutaneous tumor of the scalp: lesions with a gross similarity to the horns of animals: a report of four cases. *Am J Surg Pathol.* 26(6):789–94. PMID:12222582
- 1765.** Michal M, Fetsch JF, Hes O, Wehrli M (1999). Nuchal-type fibroma: a clinicopathologic study of 52 cases. *Cancer.* 85(1):51–62. PMID:9921988
- 1766.** Michal M, Kazakov DV, Hrabovcova J, Michalova K, Grossmann P, Sauer P, et al. (2017). Lipoblasts in spindle cell and pleomorphic lipomas: a close scrutiny. *Hum Pathol.* 65:140–6. PMID:28546131



1767. Michal M, Michal M, Miesbauerova M, Hercogova J, Skopalikova B, Kazakov DV (2016). Penile analogue of stratified mucin-producing intraepithelial lesion of the cervix: the first described case, a diagnostic pitfall. *Am J Dermatopathol*. 38(5):e64–7. PMID:27097242
1768. Michal M, Miettinen M (1999). Myoepitheliomas of the skin and soft tissues. Report of 12 cases. *Virchows Arch*. 434(5):393–400. PMID:10389622
1769. Michaloglou C, Vredeveld LC, Mooi WJ, Peepers DS (2008). BRAF(E600) in benign and malignant human tumours. *Oncogene*. 27(7):877–95. PMID:17724477
1770. Middel P, Hemmerlein B, Fayyazi A, Kaboth U, Radzun HJ (1999). Sinus histiocytosis with massive lymphadenopathy: evidence for its relationship to macrophages and for a cytokine-related disorder. *Histopathology*. 35(6):525–33. PMID:10583576
1771. Miettinen M, Fanburg-Smith JC, Virolainen M, Shmookler BM, Fetsch JF (1999). Epithelioid sarcoma: an immunohistochemical analysis of 112 classical and variant cases and a discussion of the differential diagnosis. *Hum Pathol*. 30(8):934–42. PMID:10452506
1772. Miettinen M, Fetsch JF (1998). Collagenous fibroma (desmoplastic fibroblastoma): a clinicopathologic analysis of 63 cases of a distinctive soft tissue lesion with stellate-shaped fibroblasts. *Hum Pathol*. 29(7):676–82. PMID:9670823
1773. Miettinen M, Fetsch JF (2006). Reticuloepithelioma (solitary epithelioid histiocytoma): a clinicopathologic and immunohistochemical study of 44 cases. *Am J Surg Pathol*. 30(4):521–8. PMID:16625100
1774. Miettinen M, Wang Z, Sarlomo-Rikala M, Abdullaev Z, Pack SD, Fetsch JF (2013). ERG expression in epithelioid sarcoma: a diagnostic pitfall. *Am J Surg Pathol*. 37(10):1580–5. PMID:23774169
1775. Miettinen M, Wang ZF (2012). Prox1 transcription factor as a marker for vascular tumors—evaluation of 314 vascular endothelial and 1086 nonvascular tumors. *Am J Surg Pathol*. 36(3):351–9. PMID:22067331
1776. Mihic-Probst D, Zhao J, Saremaslani P, Baer A, Oehlschlegel C, Paredes B, et al. (2004). CGH analysis shows genetic similarities and differences in atypical fibroxanthoma and undifferentiated high grade pleomorphic sarcoma. *Anticancer Res*. 24(1):19–26. PMID:15015571
1777. Mihm MC Jr, Lopansri S (1979). A review of the classification of malignant melanoma. *J Dermatol*. 6(3):131–42. PMID:393742
1778. Miller K, Goodlad JR, Brenn T (2012). Pleomorphic dermal sarcoma: adverse histologic features predict aggressive behavior and allow distinction from atypical fibroxanthoma. *Am J Surg Pathol*. 36(9):1317–26. PMID:22510760
1779. Miller SJ, Alam M, Andersen J, Berg D, Bichakjian CK, Bowen G, et al. (2010). Basal cell and squamous cell skin cancers. *J Natl Compr Canc Netw*. 8(8):836–64. PMID:20870631
1780. Millot F, Robert A, Bertrand Y, Mechinaud F, Laureys G, Ferster A, et al. (1997). Cutaneous involvement in children with acute lymphoblastic leukemia or lymphoblastic lymphoma. *Pediatrics*. 100(1):60–4. PMID:9200360
1781. Mills JA, Gonzalez RG, Jaffe R (2008). Case records of the Massachusetts General Hospital. Case 25-2008. A 43-year-old man with fatigue and lesions in the pituitary and cerebellum. *N Engl J Med*. 359(7):736–47. PMID:18703477
1782. Milne P, Bigley V, Bacon CM, Néel A, McGovern N, Bomken S, et al. (2017). Hematopoietic origin of Langerhans cell histiocytosis and Erdheim-Chester disease in adults. *Blood*. 130(2):167–75. PMID:28512190
1783. Minagawa A, Koga H, Uhara H, Yokokawa Y, Okuyama R (2013). Age-related prevalence of dermoscopic patterns in acquired melanocytic nevus on acral volar skin. *JAMA Dermatol*. 149(8):989–90. PMID:23804247
1784. Minagawa A, Omodaka T, Okuyama R (2016). Melanomas and mechanical stress points on the plantar surface of the foot. *N Engl J Med*. 374(24):2404–6. PMID:27305207
1785. Minkov M, Grois N, Heitger A, Pötschger U, Westermeier T, Gader H (2002). Response to initial treatment of multisystem Langerhans cell histiocytosis: an important prognostic indicator. *Med Pediatr Oncol*. 39(6):581–5. PMID:12376981
1786. Mir R, Cortes E, Papanitoniou PA, Heller K, Muehlhausen V, Kahn LB (1986). Metastatic trichomatricial carcinoma. *Arch Pathol Lab Med*. 110(7):660–3. PMID:3755030
1787. Miracco C, Raffaelli M, de Santi MM, Fimiani M, Tosi P (1988). Solitary cutaneous reticulocellular tumor. Enzyme-immunohistochemical and electron-microscopic analogies with IDRC sarcoma. *Am J Dermatopathol*. 10(1):47–53. PMID:2845833
1788. Mirza B, Weedon D (2005). Atypical fibroxanthoma: a clinicopathologic study of 89 cases. *Australas J Dermatol*. 46(4):235–8. PMID:16197421
1789. Mirza I, Macpherson N, Paproski S, Gascoyne RD, Yang B, Finn WG, et al. (2002). Primary cutaneous follicular lymphoma: an assessment of clinical, histopathologic, immunophenotypic, and molecular features. *J Clin Oncol*. 20(3):647–55. PMID:11821444
1790. Misago N, Ansai SI, Fukumoto T, Anan T, Kimura T, Nakao T (2017). Chronological changes in trichofolliculoma: folliculosebaceous cystic hamartoma is not a very-late-stage trichofolliculoma. *J Dermatol*. 44(9):1050–4. PMID:28370423
1791. Misago N, Inoue T, Koba S, Narisawa Y (2013). Keratoacanthoma and other types of squamous cell carcinoma with crateriform architecture: classification and identification. *J Dermatol*. 40(6):443–52. PMID:23414327
1792. Misago N, Kimura T, Narisawa Y (2009). Fibrofolliculoma/trichodiscoma and fibrous papule (perifollicular fibroma/angiofibroma): a reevaluation of the histopathological and immunohistochemical features. *J Cutan Pathol*. 36(9):943–51. PMID:19674199
1793. Misago N, Mihara I, Ansai S, Narisawa Y (2002). Sebaceous and related neoplasms with sebaceous differentiation: a clinicopathologic study of 30 cases. *Am J Dermatopathol*. 24(4):294–304. PMID:12142607
1794. Misago N, Narisawa Y (2000). Sebaceous neoplasms in Muir-Torre syndrome. *Am J Dermatopathol*. 22(2):155–61. PMID:10770437
1795. Misago N, Satoh T, Narisawa Y (2004). Basal cell carcinoma with ductal and glandular differentiation: a clinicopathologic and immunohistochemical study of 10 cases. *Eur J Dermatol*. 14(6):383–7. PMID:15564201
1796. Misago N, Suse T, Uemura T, Narisawa Y (2004). Basal cell carcinoma with sebaceous differentiation. *Am J Dermatopathol*. 26(4):298–303. PMID:15249860
1797. Misago N, Toda S (2016). Sebaceous carcinoma within rippled/carcinoid pattern sebaceous. *J Cutan Pathol*. 43(1):64–70. PMID:26268140
1798. Mishima Y, Mevorah B (1961). Nevus Ota and nevus Ito in American Negroes. *J Invest Dermatol*. 36(2):133–54. PMID:13771275
1799. Mishima Y, Pinkus H (1960). Benign mixed tumor of melanocytes and malpighian cells. Melanoacanthoma: its relationship to Bloch's benign non-nevus melanoepithelioma. *Arch Dermatol*. 81(4):539–50. PMID:14422903
1800. Missero C (2016). The genetic evolution of skin squamous cell carcinoma: tumor suppressor identity matters. *Exp Dermatol*. 25(11):863–4. PMID:27193637
1801. Amitay-Laihash I, Feinmesser M, Ben-Ami D, Fenig E, Sorin D, Hodak E (2016). Unilesional folliculotropic mycosis fungoides: a unique variant of cutaneous lymphoma. *J Eur Acad Dermatol Venerol*. 30(1):25–9. PMID:25405551
1802. Amitay-Laihash I, Taralae M, Kim J, Hoppe RT, Million L, Feinmesser M, et al. (2017). Paediatric primary cutaneous marginal zone B-cell lymphoma: does it differ from its adult counterpart? *Br J Dermatol*. 176(4):1010–20. PMID:27501236
1803. Mitsui H, Kiecker F, Shemer A, Cannizzaro MV, Wang CQF, Gulati N, et al. (2016). Discrimination of dysplastic nevi from common melanocytic nevi by cellular and molecular criteria. *J Invest Dermatol*. 136(10):2030–40. PMID:27377700
1804. Miura T, Yamamoto T (2013). Perforating pilomatricoma with anetodermic epidermis in an adolescent with lymphoma. *Pediatr Dermatol*. 30(4):e68–9. PMID:22937738
1805. Miyake T, Yamamoto T, Hirai Y, Otsuka M, Hamada T, Tsuji K, et al. (2015). Survival rates and prognostic factors of Epstein-Barr virus-associated hydroa vacciniforme and hypersensitivity to mosquito bites. *Br J Dermatol*. 172(1):56–63. PMID:25234411
1806. Miyamoto T, Hagari Y, Inoue S, Watanabe T, Yoshino T (2005). Axillary apocrine carcinoma with benign apocrine tumours: a case report involving a pathological and immunohistochemical study and review of the literature. *J Clin Pathol*. 58(7):757–61. PMID:15976347
1807. Miyamoto Y, Ueda K, Sato M, Yasuno H (1979). Disseminated epidermolytic acanthoma. *J Cutan Pathol*. 6(4):272–9. PMID:500873
1808. Miyazaki A, Saida T, Koga H, Oguchi S, Suzuki T, Tsuchida T (2005). Anatomical and histopathological correlates of the dermoscopic patterns seen in melanocytic nevi on the sole: a retrospective study. *J Am Acad Dermatol*. 53(2):230–6. PMID:16021115
1809. Modena P, Lualdi E, Facchinetti F, Galli L, Teixeira MR, Pilotti S, et al. (2005). SMARCB1/INI1 tumor suppressor gene is frequently inactivated in epithelioid sarcomas. *Cancer Res*. 65(10):4012–9. PMID:15899790
1810. Mohamed A, Gonzalez RS, Lawson D, Wang J, Cohen C (2013). SOX10 expression in malignant melanoma, carcinoma, and normal tissues. *Appl Immunohistochem Mol Morphol*. 21(6):506–10. PMID:23197006
1811. Mojtahed A, Schrijver I, Ford JM, Longacre TA, Pai RK (2011). A two-antibody mismatch repair protein immunohistochemistry screening approach for colorectal carcinomas, skin sebaceous tumors, and gynecologic tract carcinomas. *Mod Pathol*. 24(7):1004–14. PMID:21499234
1812. Molho-Pessach V, Ramot Y, Camille F, Doviner V, Babay S, Luis SJ, et al. (2014). H syndrome: the first 79 patients. *J Am Acad Dermatol*. 70(1):80–8. PMID:24172204
1813. Molina-Ruiz AM, Busam KJ (2016). Primary cutaneous Ewing sarcoma with EWSR1-ERG fusion. *J Cutan Pathol*. 43(9):729–34. PMID:27526022
1814. Molina-Ruiz AM, Llamas-Velasco M, Rütten A, Cerroni L, Requena L (2016). "Apocrine hidrocystoma and cystadenoma"-like tumor of the digits or toes: a potential diagnostic pitfall of digital papillary adenocarcinoma. *Am J Surg Pathol*. 40(3):410–8. PMID:26523544
1815. Moloney FJ, Comber H, O'Lorcain P, O'Kelly P, Conlon PJ, Murphy GM (2006). A population-based study of skin cancer incidence and prevalence in renal transplant recipients. *Br J Dermatol*. 154(3):498–504. PMID:16445782
1816. Montero J, Stephansky J, Cai T, Griffin GK, Cabal-Hierro L, Togami K, et al. (2017). Blastic plasmacytoid dendritic cell neoplasm is dependent on BCL2 and sensitive to venetoclax. *Cancer Discov*. 7(2):156–64. PMID:27986708
1817. Montes-Moreno S, Ramos-Medina R, Martínez-López A, Barrionuevo Cornejo C, Parra Cubillos A, Quintana-Truyenque S, et al. (2013). SPIB, a novel immunohistochemical marker for human blastic plasmacytoid dendritic cell neoplasms: characterization of its expression in major hematolymphoid neoplasms. *Blood*. 121(4):643–7. PMID:23165482
1818. Montgomery E, Epstein JI (2009). Anastomosing hemangioma of the genitourinary tract: a lesion mimicking angiosarcoma. *Am J Surg Pathol*. 33(9):1364–9. PMID:19606014
1819. Montgomery E, Lee JH, Abraham SC, Wu TT (2001). Superficial fibromatoses are genetically distinct from deep fibromatoses. *Mod Pathol*. 14(7):695–701. PMID:11455002
1820. Montgomery EA, Devaney KO, Giordano TJ, Weiss SW (1998). Inflammatory myxohyaline tumor of distal extremities with vicroyte or Reed-Sternberg-like cells: a distinctive lesion with features simulating inflammatory conditions, Hodgkin's disease, and various sarcomas. *Mod Pathol*. 11(4):384–91. PMID:9578090
1821. Moody BR, Bartlett NL, George DW, Price CR, Breer WA, Rothschild Y, et al. (2001). Cyclin D1 as an aid in the diagnosis of mantle cell lymphoma in skin biopsies: a case report. *Am J Dermatopathol*. 23(5):470–6. PMID:11801782
1822. Mooney MA, Barr RJ, Buxton MG (1995). Halo nevus or halo phenomenon? A study of 142 cases. *J Cutan Pathol*. 22(4):342–8. PMID:7499574
1823. Moore AR, Ceraudo E, Sher JJ, Guan Y, Shoushtari AN, Chang MT, et al. (2016). Recurrent activating mutations of G-protein-coupled receptor CYSLTR2 in uveal melanoma. *Nat Genet*. 48(6):675–80. PMID:27089179
1824. Moosavi C, Jha P, Fanburg-Smith JC (2007). An update on plexiform fibrohistiocytic tumor and addition of 66 new cases from the Armed Forces Institute of Pathology, in honor of Franz M. Enzinger, MD. *Ann Diagn Pathol*. 11(5):313–9. PMID:17870015
1825. Morales AV, Arber DA, Seo K, Kohler S, Kim YH, Sundram UN (2008). Evaluation of B-cell clonality using the BIOMED-2 PCR method effectively distinguishes cutaneous B-cell lymphoma from benign lymphoid infiltrates. *Am J Dermatopathol*. 30(5):425–30. PMID:18806482
1826. Morandi L, Pession A, Marucci GL, Foschini MP, Pruner G, Viale G, et al. (2003). Intraepidermal cells of Paget's carcinoma of the breast can be genetically different from those of the underlying carcinoma. *Hum Pathol*. 34(12):1321–30. PMID:14691919
1827. Mordehai J, Kurzbart E, Shinhar D, Sagi A, Finaly R, Mares AJ (1998). Lymphangioma circumscriptum. *Pediatr Surg Int*. 13(2–3):208–10. PMID:9563054
1828. Moreno C, Jacyk WK, Judd MJ, Requena L (2001). Highly aggressive extraocular sebaceous carcinoma. *Am J Dermatopathol*. 23(5):450–5. PMID:11801779
1829. Moreno C, Requena L, Kutzner H, de la Cruz A, Jaqueti G, Yus ES (2000). Epithelioid blue nevus: a rare variant of blue nevus not always associated with the Carney complex. *J Cutan Pathol*. 27(5):218–23. PMID:10847545
1830. Morgado JM, Perbellini O, Johnson RC, Teodósio C, Matito A, Álvarez-Twose I, et al. (2013). CD30 expression by bone marrow mast



cells from different diagnostic variants of systemic mastocytosis. *Histopathology*. 63(6):780–7. PMID:24111625

**1831.** Morgan MB, Stevens GL, Switlyk S (2005). Benign lichenoid keratosis: a clinical and pathologic reappraisal of 1040 cases. *Am J Dermatopathol*. 27(5):387–92. PMID:16148406

**1832.** Morgan NV, Morris MR, Canguil H, Gleeson D, Straatman-Iwanowska A, Davies N, et al. (2010). Mutations in SLK29A3, encoding an equilibrative nucleoside transporter ENT3, cause a familial histiocytosis syndrome (Faisalabad histiocytosis) and familial Rosai-Dorfman disease. *PLoS Genet*. 6(2):e1000833. PMID:20140240

**1833.** Mortier L, Marchetti P, Delaporte E, Martin de Lassalle E, Thomas P, Piette F, et al. (2002). Progression of actinic keratosis to squamous cell carcinoma of the skin correlates with deletion of the 9p21 region encoding the p16(INK4a) tumor suppressor. *Cancer Lett*. 176(2):205–14. PMID:11804749

**1834.** Moshari A, McLean IW (2001). Uveal melanoma: mean of the longest nucleoli measured on silver-stained sections. *Invest Ophthalmol Vis Sci*. 42(6):1160–3. PMID:11328722

**1835.** Mosquera JM, Sboner A, Zhang L, Chen CL, Sung YS, Chen HW, et al. (2013). Novel MIR143-NOTCH fusions in benign and malignant glomus tumors. *Genes Chromosomes Cancer*. 52(11):1075–87. PMID:23999936

**1836.** Moulis G, Sailer L, Bonneville F, Wagner T (2014). Imaging in Erdheim-Chester disease: classic features and new insights. *Clin Exp Rheumatol*. 32(3):410–4. PMID:24428974

**1837.** Mowbray M, Schofield OM (2007). Juvenile xanthogranuloma en plaque. *Pediatr Dermatol*. 24(6):670–1. PMID:18036001

**1838.** Moxley KM, Fader AN, Rose PG, Case AS, Mutch DG, Berry E, et al. (2011). Malignant melanoma of the vulva: an extension of cutaneous melanoma? *Gynecol Oncol*. 122(3):612–7. PMID:21570710

**1839.** Mravic M, LaChaud G, Nguyen A, Scott MA, Dry SM, James AW (2015). Clinical and histopathological diagnosis of glomus tumor: an institutional experience of 138 cases. *Int J Surg Pathol*. 23(3):181–8. PMID:25614464

**1840.** Mraz-Gernhard S, Natkunam Y, Hoppe RT, LeBoit P, Kohler S, Kim YH (2001). Natural killer/natural killer-like T-cell lymphoma, CD56+, presenting in the skin: an increasingly recognized entity with an aggressive course. *J Clin Oncol*. 19(8):2179–88. PMID:11304770

**1841.** Mukherjee S, Bandyopadhyay G, Saha S, Choudhuri M (2010). Cytodiagnosis of glomus tumor. *J Cytol*. 27(3):104–5. PMID:21878777

**1842.** Mukhopadhyay AK (2004). Nevus of Ota associated with nevus of Ito. *Indian J Dermatol Venereol Leprol*. 70(2):112–3. PMID:17642580

**1843.** Mukhopadhyay AK (2013). Unilateral nevus of Ota with bilateral nevus of Ito and palatal lesion: a case report with a proposed clinical modification of Tanino's classification. *Indian J Dermatol*. 58(4):286–9. PMID:23918999

**1844.** Müller R, Theissig F (1995). Syringocystadenoma papilliferum of the outer ear canal. *Laryngorhinootologie*. 74(1):43–5. [German] PMID:7888022

**1845.** Mulliken JB, Enjolras O (2004). Congenital hemangiomas and infantile hemangioma: missing links. *J Am Acad Dermatol*. 50(6):875–82. PMID:15153887

**1846.** Munden A, Butschek R, Tom WL, Marshall JS, Poeltler DM, Krohne SE, et al. (2014). Prospective study of infantile haemangiomas: incidence, clinical characteristics and association with placental anomalies. *Br J Dermatol*. 170(4):907–13. PMID:24641194

**1847.** Murali R, McCarthy SW, Scolyer RA (2009). Blue nevi and related lesions: a review highlighting atypical and newly described

variants, distinguishing features and diagnostic pitfalls. *Adv Anat Pathol*. 16(6):365–82. PMID:19851128

**1848.** Murali R, Shaw HM, Lai K, McCarthy SW, Quinn MJ, Stretch JR, et al. (2010). Prognostic factors in cutaneous desmoplastic melanoma: a study of 252 patients. *Cancer*. 116(17):4130–8. PMID:20564101

**1849.** Murali R, Wiesner T, Rosenblum MK, Bastian BC (2012). GNAQ and GNA11 mutations in melanocytomas of the central nervous system. *Acta Neuropathol*. 123(3):457–9. PMID:22307269

**1850.** Murali R, Wiesner T, Scolyer RA (2013). Tumours associated with BAP1 mutations. *Pathology*. 45(2):116–26. PMID:23277170

**1851.** Murali R, Zannino D, Synnott M, McCarthy SW, Thompson JF, Scolyer RA (2011). Clinical and pathological features of metastases of primary cutaneous desmoplastic melanoma. *Histopathology*. 58(6):886–95. PMID:21438911

**1852.** Murase T, Yamaguchi M, Suzuki R, Okamoto M, Sato Y, Tamaru J, et al. (2007). Intravascular large B-cell lymphoma (IVLCL): a clinicopathologic study of 96 cases with special reference to the immunophenotypic heterogeneity of CD5. *Blood*. 109(2):478–85. PMID:16985183

**1853.** Murphy CM, Grau-Massanés M, Sánchez RL (1995). Multiple cutaneous myxomas. Report of a case without other elements of Carney's complex. *J Cutan Pathol*. 22(6):556–62. PMID:8835175

**1854.** Murphy M, Brierley T, Pennoyer J, Rozenski D, Grant-Kels JM (2007). Lymphoprotic adamantinoid trichoblastoma. *Pediatr Dermatol*. 24(2):157–61. PMID:17461815

**1855.** Musette P, Bachelez H, Flageul B, Delarbre C, Kourilsky P, Dubertret L, et al. (1999). Immune-mediated destruction of melanocytes in halo nevi is associated with the local expansion of a limited number of T cell clones. *J Immunol*. 162(3):1789–94. PMID:9973443

**1856.** Mutasim DF (2007). Psoriasiform keratosis: a lesion mimicking psoriasis. *Am J Dermatopathol*. 29(5):482–4. PMID:17890921

**1857.** Mutgi KA, Chitgopekar P, Ciliberto H, Stone MS (2016). Hypocellular plaque-like CD34-positive dermal fibroma (medallion-like dermal dendrocyte hamartoma) presenting as a skin-colored dermal nodule. *Pediatr Dermatol*. 33(1):e16–9. PMID:26645569

**1858.** Mutter RW, Singer S, Zhang Z, Brennan MF, Alekter KM (2012). The enigma of myxofibrosarcoma of the extremity. *Cancer*. 118(2):518–27. PMID:21717447

**1859.** Myhre-Jensen O (1981). A consecutive 7-year series of 1331 benign soft tissue tumours. Clinicopathologic data. Comparison with sarcomas. *Acta Orthop Scand*. 52(3):287–93. PMID:7282321

**1860.** Na JI, Park KC, Youn SW (2006). Familial eruptive lentiginosis. *J Am Acad Dermatol*. 55(2 Suppl):S38–40. PMID:16843122

**1861.** Nagai K, Nakano N, Iwai T, Iwai A, Tauchi H, Ohshima K, et al. (2014). Pediatric subcutaneous panniculitis-like T-cell lymphoma with favorable result by immunosuppressive therapy: a report of two cases. *Pediatr Hematol Oncol*. 31(6):528–33. PMID:24684413

**1862.** Nagamine N, Nohara Y, Ito E (1982). Elastofibroma in Okinawa. A clinicopathologic study of 170 cases. *Cancer*. 50(9):1794–805. PMID:7116305

**1863.** Nagarajan P, Curry JL, Ning J, Piao J, Torres-Cabala CA, Aung PP, et al. (2017). Tumor thickness and mitotic rate robustly predict melanoma-specific survival in patients with primary vulvar melanoma: a retrospective review of 100 cases. *Clin Cancer Res*. 23(8):2093–104. PMID:27864417

**1864.** Nagata H, Worobec AS, Oh CK,

Chowdhury BA, Tannenbaum S, Suzuki Y, et al. (1995). Identification of a point mutation in the catalytic domain of the protooncogene c-kit in peripheral blood mononuclear cells of patients who have mastocytosis with an associated hematologic disorder. *Proc Natl Acad Sci U S A*. 92(23):10560–4. PMID:7479840

**1865.** Nagatsuka H, Rivera RS, Gunduz M, Siar CH, Tamamura R, Mizukawa N, et al. (2006). Microcystic adnexal carcinoma with mandibular bone marrow involvement: a case report with immunohistochemistry. *Am J Dermatopathol*. 28(6):518–22. PMID:17122497

**1866.** Nagore E, Sánchez-Motilla JM, Pérez-Vallés A, Martínez-Lahuerta C, Alegre V, Aliaga A (2000). Pseudovascular squamous cell carcinoma of the skin. *Clin Exp Dermatol*. 25(3):206–8. PMID:10844496

**1867.** Nakagawa M, Schmitz R, Xiao W, Goldman CK, Xu W, Yang Y, et al. (2014). Gain-of-function CCR4 mutations in adult T cell leukemia/lymphoma. *J Exp Med*. 211(13):2497–505. PMID:25488980

**1868.** Nakajima K, Kaneko T, Aizu T, Nakano H, Matsuzaki Y, Sawamura D (2013). Signet-ring cutaneous squamous cell carcinoma arising on the back of the finger. *Case Rep Dermatol*. 5(2):215–8. PMID:24019773

**1869.** Nakamura M, Fukunaga-Kalabis M, Yamaguchi Y, Furuhashi T, Nishida E, Kato H, et al. (2015). Site-specific migration of human fetal melanocytes in volar skin. *J Dermatol Sci*. 78(2):143–8. PMID:25818865

**1870.** Nakashima K, Yamada N, Yoshida Y, Yamamoto O (2008). Solitary sclerotic neurofibroma of the skin. *Am J Dermatopathol*. 30(3):278–80. PMID:18496433

**1871.** Namiki T, Miura K, Ueno M, Arima Y, Nishizawa A, Yokozeki H (2016). Four different tumors arising in a nevus sebaceous. *Case Rep Dermatol*. 8(1):75–9. PMID:27194974

**1872.** Namiki T, Takahashi M, Nojima K, Ueno M, Hanafusa T, Tokoro S, et al. (2017). Phakomatosis pigmentovascularis type IIb: a case with Klippel-Trenaunay syndrome and extensive dermal melanocytosis as nevus of Ota, nevus of Ito and ectopic Mongolian spots. *J Dermatol*. 44(3):e32–3. PMID:27374914

**1873.** Napkoski KM, Fernandez AP, Billings SD (2014). Microvenular hemangioma: a clinicopathologic review of 13 cases. *J Cutan Pathol*. 41(11):816–22. PMID:25263662

**1874.** Nappi O, Pettinato G, Wick MR (1989). Adenoid (acantholytic) squamous cell carcinoma of the skin. *J Cutan Pathol*. 16(3):114–21. PMID:2768593

**1875.** Nappi O, Wick MR (1986). Disseminated lobular capillary hemangioma (pyogenic granuloma). A clinicopathologic study of two cases. *Am J Dermatopathol*. 8(5):379–85. PMID:3777375

**1876.** Narducci MG, Scala E, Bresin A, Caprini E, Picchio MC, Remotti D, et al. (2006). Skin homing of Sézary cells involves SDF-1-CXCR4 signaling and down-regulation of CD26/dipeptidylpeptidase IV. *Blood*. 107(3):1108–15. PMID:16204308

**1877.** Nascimento AF, Bertoni F, Fletcher CD (2007). Epithelioid variant of myxofibrosarcoma: expanding the clinicomorphologic spectrum of myxofibrosarcoma in a series of 17 cases. *Am J Surg Pathol*. 31(1):99–105. PMID:17197925

**1878.** Nash JW, Barrett TL, Kies M, Ross MI, Sneige N, Diwan AH, et al. (2007). Metastatic hidradenocarcinoma with demonstration of Her-2/neu gene amplification by fluorescence in situ hybridization: potential treatment implications. *J Cutan Pathol*. 34(1):49–54. PMID:17214855

**1879.** Nashan D, Müller ML, Braun-Falco M, Reichenberger S, Szeimies RM,

Bruckner-Tuderman L (2009). Cutaneous metastases of visceral tumours: a review. *J Cancer Res Clin Oncol*. 135(1):1–4. PMID:18560891

**1880.** Nasser H, Danforth RD Jr, Sattali W, Dimitrijevic O (2010). Malignant granular cell tumor: case report with a novel histology and review of the literature. *Am J Surg Pathol*. 14(4):273–8. PMID:20637434

**1881.** Nasserri E, Piram M, McCusick CC, Nasserri V, Dubois J, Powell J (2014). Partially involving congenital hemangiomas: a report of 3 cases and review of the literature. *J Am Acad Dermatol*. 70(1):75–9. PMID:24176519

**1882.** Bichakjian CK, Otlenko T, Aziz SZ, Andersen JS, Berg D, et al. (2016). Basal cell skin cancer, Version 1.2016. NCCN Clinical Practice Guidelines in Oncology. *J Natl Cancer Netw*. 14(5):574–97. PMID:27162225

**1883.** Natkunam Y, Goodlad JR, Chabum N, de Jong D, Gratzinger D, Chen JK, et al. (2016). EBV-positive B-cell proliferations of novel malignant potential: 2015 SH-EBV Network Report-Part 1. *Am J Clin Pathol*. 147(2):139–52. PMID:28395107

**1884.** Natkunam Y, Wamke RA, Haggren CE, St. LD, Le Boit PE, Kim YH, et al. (2006). Overexpression of CD56 and CD30 in lymphomas with primary presentation in the skin: clinicopathologic, immunohistochemical and molecular analyses of seven cases. *J Cutan Pathol*. 27(8):392–9. PMID:16955685

**1885.** Navarini AA, Koim I, Calvo R, Namashev J, Kerl K, Conrad C, et al. (2016). Trauma as triggering factor for development of melanocytic nevi. *Dermatology*. 233(4):23–4. PMID:20424415

**1886.** Nayler SJ, Rubin BP, Catanzaro E, Diaz JK, Fletcher CD (2000). Composite hemangioma-endothelioma: a complex, low-grade vascular lesion mimicking angiosarcoma. *Am J Surg Pathol*. 24(3):352–61. PMID:10716148

**1887.** Nazarian RM, Kapur P, Ramesh D, Puri A, Duncan LM, Mihm MC Jr, et al. (2008). Topical and malignant hidradenoma: a histological and immunohistochemical study. *Mod Pathol*. 22(4):600–10. PMID:19252473

**1888.** Nedoszytko B, Niedozytko W, Langer M, van Doormaal J, Gleh J, Zaborna W, et al. (2009). Interleukin-13 promoter gene polymorphism -1112C/T is associated with the systemic form of mastocytosis. *Allergy*. 64(2):237–44. PMID:19178408

**1889.** Nelson AA, Harrington AM, Koff E, Dahar MA, Hamadani M, Dhakal B (2016). Presentation and management of post-allogeneic transplantation EBV-positive nasopharyngeal ulcer. *Bone Marrow Transplant*. 51(2):389–2. PMID:26457913

**1890.** Nelson DS, Quispel W, Badalan-Ven G, van Halteren AG, van den Bos C, Bovee JV, et al. (2014). Somatic activating ARAF mutations in Langerhans cell histiocytosis. *Blood*. 123(20):3152–5. PMID:24552991

**1891.** Nelson DS, van Halteren A, Quispel W, van den Bos C, Bovee JV, Patel B, et al. (2015). MAP2K1 and MAP3K1 mutations in Langerhans cell histiocytosis. *Genes Chromosomes Cancer*. 54(6):361–8. PMID:25899210

**1892.** Nelson MA, Einspahr JG, Alberts DS, Balfour CA, Wyrer JA, Welch KL, et al. (1994). Analysis of the p53 gene in human precancerous actinic keratosis lesions and squamous cell cancers. *Cancer Lett*. 85(1):23–4. PMID:7923098

**1893.** Neuhold JC, Friesenhahn J, Genter N, Krengel S (2015). Case reports of basal or metastasizing melanoma in children and adolescents: a systematic analysis of the literature. *Pediatr Dermatol*. 32(1):13–22. PMID:25487565

**1894.** Neumann MP, Frizzera G (1986). The



- coexistence of Langerhans' cell granulomatosis and malignant lymphoma may take different forms: report of seven cases with a review of the literature. *Hum Pathol.* 17(10):1060–5. PMID:3759063
1895. Neuvilve A, Chilon F, Coindre JM (2014). Grading of soft tissue sarcomas: from histological to molecular assessment. *Pathology.* 46(2):113–20. PMID:24378389
1896. Newton-Bishop JA, Chang YM, Iles MM, Taylor JC, Bakker B, Chan M, et al. (2010). Melanocytic nevi, nevus genes, and melanoma risk in a large case-control study in the United Kingdom. *Cancer Epidemiol Biomarkers Prev.* 19(8):2043–54. PMID:20647408
1897. Nezelof C, Basset F (2004). An hypothesis Langerhans cell histiocytosis: the failure of the immune system to switch from an innate to an adaptive mode. *Pediatr Blood Cancer.* 42(5):398–400. PMID:15049008
1898. Ng WK, Cheung MF, Ma L (1996). Dermatofibroma: further support of its myofibroblastic nature by electronmicroscopy. *Histopathology.* 29(2):181–3. PMID:8872155
1899. Nguyen CM, Chong K, Cassarino D (2016). Clear cell atypical fibroxanthoma: a case report and review of the literature. *J Cutan Pathol.* 43(6):538–42. PMID:26956561
1900. Nguyen TL, Theos A, Kelly DR, Busam K, Andea AA (2013). Mitotically active proliferative nodule arising in a giant congenital melanocytic nevus: a diagnostic pitfall. *Am J Dermatopathol.* 35(1):e16–21. PMID:23348144
1901. Nickloff BJ, Fleischman HE, Carmel J, Wood CC, Roth RJ (1986). Microcystic adnexal carcinoma. Immunohistologic observations suggesting dual (pilal and eccrine) differentiation. *Arch Dermatol.* 122(3):290–4. PMID:3513708
1902. Nicol I, Boye T, Carsuzaa F, Feiler L, Collet Villette AM, Xerri L, et al. (2003). Post-transplant plasmablastic lymphoma of the skin. *Br J Dermatol.* 149(4):889–91. PMID:14616390
1903. Nicolae-Cristea AR, Benner MF, Zoutman WH, van Eijk R, Jansen PM, Tensen CP, et al. (2015). Diagnostic and prognostic significance of CDKN2A/CDKN2B deletions in patients with transformed mycosis fungoides and primary cutaneous CD30-positive lymphoproliferative disease. *Br J Dermatol.* 172(3):784–8. PMID:25308604
1904. Niedermeyer HP, Peris K, Höfler H (1996). Pilomatric carcinoma with multiple visceral metastases. Report of a case. *Cancer.* 77(7):1311–4. PMID:8608508
1905. Niedozytko M, Bonadonna P, Oude Elberink JN, Golden DB (2014). Epidemiology, diagnosis, and treatment of Hymenoptera venom allergy in mastocytosis patients. *Immunol Allergy Clin North Am.* 34(2):365–81. PMID:24745680
1906. Nielsen GP, O'Connell JX, Dickersin GR, Rosenberg AE (1996). Collagenous fibroma (desmoplastic fibroblastoma): a report of seven cases. *Mod Pathol.* 9(7):781–5. PMID:8832562
1907. Nishikawa Y, Tokusashi Y, Saito Y, Ogawa K, Miyokawa N, Katagiri M (1994). A case of apocrine adenocarcinoma associated with hamartomatous apocrine gland hyperplasia of both axillae. *Am J Surg Pathol.* 18(8):832–6. PMID:8037297
1908. Nishio J, Iwasaki H, Nagatomo M, Naito M (2014). Fibroma of tendon sheath with 11q rearrangements. *Anticancer Res.* 34(9):5159–62. PMID:25202108
1909. Nishio J, Iwasaki H, Ohjimi Y, Ishiguro M, Kobayashi K, Nabeshima K, et al. (2004). Chromosomal imbalances in angioleiomyomas by comparative genomic hybridization. *Int J Mol Med.* 13(1):13–6. PMID:14654964
1910. Nishio JN, Iwasaki H, Ohjimi Y, Ishiguro M, Koga T, Isayama T, et al. (2002). Gain of Xq detected by comparative genomic hybridization in elastofibroma. *Int J Mol Med.* 10(3):277–80. PMID:12165800
1911. Nishioka M, Kunisada M, Fujiwara N, Oka M, Funasaka Y, Nishigori C (2015). Multiple apocrine poromas: a new case report. *J Cutan Pathol.* 42(11):894–6. PMID:26269431
1912. Niu HT, Zhou QM, Wang F, Shao Q, Guan YX, Wen XZ, et al. (2013). Identification of anaplastic lymphoma kinase break points and oncogenic mutation profiles in acral/mucosal melanomas. *Pigment Cell Melanoma Res.* 26(5):646–53. PMID:23751074
1913. Noel JC, Detremmerie O, Peny MO, Candaele M, Verhest A, Heenen M, et al. (1994). Transformation of common warts into squamous cell carcinoma on sun-exposed areas in an immunosuppressed patient. *Dermatology.* 189(3):308–11. PMID:7949492
1914. Noguchi T, Ota N, Mabuchi Y, Yagi S, Minami S, Okuhira H, et al. (2017). A case of malignant melanoma of the uterine cervix with disseminated metastases throughout the vaginal wall. *Case Rep Obstet Gynecol.* 2017:5656340. PMID:28197351
1915. Nomura H, Egami S, Kasai H, Mori M, Yokoyama T, Fujimoto A, et al. (2014). An elderly patient with chronic active Epstein-Barr virus infection with severe hydroa vacciniforme-like eruptions associated with  $\alpha$ T-cell proliferation. *J Dermatol.* 41(4):360–2. PMID:24628134
1916. Nomura H, Suzuki H, Egami S, Yokoyama T, Sugiura M, Tomita K, et al. (2015). A patient with elderly-onset atypical hydroa vacciniforme with an indolent clinical course. *Br J Dermatol.* 173(3):801–5. PMID:25965563
1917. Noonan V, Lerman MA, Woo SB, Kabani S (2014). Granular cell tumor. *J Mass Dent Soc.* 63(1):45. PMID:24941552
1918. North JP, McCalmont TH, Fehr A, van Zante A, Stenman G, LeBoit PE (2015). Detection of MYB alterations and other immunohistochemical markers in primary cutaneous adenoid cystic carcinoma. *Am J Surg Pathol.* 39(10):1347–56. PMID:26076064
1919. North PE, Kahn T, Cordisco MR, Dadrass SS, Detmar M, Frieden IJ (2004). Multifocal lymphangi endotheliomatosis with thrombocytopenia: a newly recognized clinicopathologic entity. *Arch Dermatol.* 140(5):599–606. PMID:15148106
1920. North PE, Waner M, James CA, Mizeracki A, Frieden IJ, Mihm MC Jr (2001). Congenital nonproliferative hemangioma: a distinct clinicopathologic entity unlike infantile hemangioma. *Arch Dermatol.* 137(12):1607–20. PMID:11735711
1921. North PE, Waner M, Mizeracki A, Mihm MC Jr (2000). GLUT1: a newly discovered immunohistochemical marker for juvenile hemangiomas. *Hum Pathol.* 31(1):11–22. PMID:10665907
1922. North PE, Waner M, Mizeracki A, Mrak RE, Nicholas R, Kincannon J, et al. (2001). A unique microvascular phenotype shared by juvenile hemangiomas and human placenta. *Arch Dermatol.* 137(5):559–70. PMID:11346333
1923. Noto G (1999). 'Benign' proliferating trichilemmal tumour: does it really exist? *Histopathology.* 35(4):386–7. PMID:10564395
1924. Nova MP, Zung M, Halperin A (1991). Neurofollicular hamartoma. A clinicopathological study. *Am J Dermatopathol.* 13(5):459–62. PMID:1659245
1925. Nowak M, Pathan A, Fatteh S, Fatteh S, Lopez J (1998). Syringocystadenoma papilliferum of the male breast. *Am J Dermatopathol.* 20(4):422–4. PMID:9700386
1926. Nugteren HJ, Nijman JM, de Jong IJ, van Driel MF (2011). The association between Peyronie's and Dupuytren's disease. *Int J Impot Res.* 23(4):142–5. PMID:21633367
1927. Nuovo GJ, Ishag M (2000). The histologic spectrum of epidermodysplasia verruciformis. *Am J Surg Pathol.* 24(10):1400–6. PMID:11023102
1928. O'Brien KP, Seroussi E, Dal Cin P, Sciort R, Mandali N, Fletcher JA, et al. (1998). Various regions within the alpha-helical domain of the COL1A1 gene are fused to the second exon of the PDGFB gene in dermatofibrosarcomas and giant-cell fibroblastomas. *Genes Chromosomes Cancer.* 23(2):187–93. PMID:9739023
1929. O'Connor N, Patel M, Umar T, Macpherson DW, Eitunandan M (2011). Head and neck pilomatricoma: an analysis of 201 cases. *Br J Oral Maxillofac Surg.* 49(5):354–8. PMID:20594627
1930. O'Donnell PJ, Pantanowitz L, Grayson W (2010). Unique histologic variants of cutaneous Kaposi sarcoma. *Am J Dermatopathol.* 32(3):244–50. PMID:20075709
1931. O'Grady TC, Barr RJ, Billman G, Cunningham BB (1999). Epithelioid blue nevus occurring in children with no evidence of Carney complex. *Am J Dermatopathol.* 21(5):483–6. PMID:10535581
1932. O'Malley DP, Agrawal R, Grimm KE, Hummel J, Glazyrin A, Dim DC, et al. (2015). Evidence of BRAF V600E in indeterminate cell tumor and interdigitating dendritic cell sarcoma. *Ann Diagn Pathol.* 19(3):113–6. PMID:25787243
1933. O'Shea C, Fitzpatrick JE, Koch PJ (2014). Desmosomal defects in acantholytic squamous cell carcinomas. *J Cutan Pathol.* 41(11):873–9. PMID:25264142
1934. Ogita A, Ansai SI, Misago N, Anan T, Fukumoto T, Saeki H (2016). Clinicopathological study of crateriform verruca: crateriform epithelial lesions histopathologically distinct from keratoacanthoma. *J Dermatol.* 43(10):1154–9. PMID:26970425
1935. Oguchi S, Saida T, Koganehira Y, Ohkubo S, Ishihara Y, Kawachi S (1998). Characteristic epiluminescent microscopic features of early malignant melanoma on glabrous skin. A videomicroscopic analysis. *Arch Dermatol.* 134(5):563–8. PMID:9606325
1936. Ogura K, Goto T, Nemoto T (2012). Painless giant angioleiomyoma in the subscapula of the lower leg. *J Foot Ankle Surg.* 51(1):99–102. PMID:21940181
1937. Oh CW, Ivan D, Curry JL, Ellis R, Gerber H, Duvic M, et al. (2016). A case of indeterminate dendritic cell tumor presenting with leonine facies. *J Cutan Pathol.* 43(2):158–63. PMID:26272726
1938. Ohn J, Choe YS, Mun JH (2016). Dermoscopic features of nail matrix nevus (NMN) in adults and children: a comparative analysis. *J Am Acad Dermatol.* 75(3):535–40. PMID:27177439
1939. Ohnishi T, Watanabe S (1999). Immunohistochemical analysis of cytokeratin expression in various trichogenic tumors. *Am J Dermatopathol.* 21(4):337–43. PMID:10446774
1940. Ohtsuka H, Nagamatsu S (2002). Microcystic adnexal carcinoma: review of 51 Japanese patients. *Dermatology.* 204(3):190–3. PMID:12037446
1941. Okamoto N, Aoto T, Uhara H, Yamazaki S, Akutsu H, Umezawa A, et al. (2014). A melanocyte-melanoma precursor niche in sweat glands of volar skin. *Pigment Cell Melanoma Res.* 27(6):1039–50. PMID:25065272
1942. Okawa Y, Yokota R, Yamauchi A (1979). On the extracellular sheath of dermal melanocytes in nevus fusco-ceruleus acromiodeltoideus (Ito) and Mongolian spot. An ultrastructural study. *J Invest Dermatol.* 73(3):224–30. PMID:572849
1943. Okonkwo L, Jaffe ES (2017). Intravascular large cell lymphoma of NK/T-cell type, EBV positive. *Blood.* 130(6):837. PMID:28798060
1944. Oliveira AM, Chou MM (2014). USP6-induced neoplasms: the biologic spectrum of aneurysmal bone cyst and nodular fasciitis. *Hum Pathol.* 45(1):1–11. PMID:23769422
1945. Oliveira AM, Hsi BL, Weremowicz S, Rosenberg AE, Dal Cin P, Joseph N, et al. (2004). USP6 (Tre2) fusion oncogenes in aneurysmal bone cyst. *Cancer Res.* 64(6):1920–3. PMID:15026324
1946. Olsen E, Vonderheid E, Pimpinelli N, Willemze R, Kim Y, Knobler R, et al. (2007). Revisions to the staging and classification of mycosis fungoides and Sezary syndrome: a proposal of the International Society for Cutaneous Lymphomas (ISCL) and the Cutaneous Lymphoma Task Force of the European Organization of Research and Treatment of Cancer (EORTC). *Blood.* 110(6):1713–22. PMID:17540844
1947. Olsen TG, Helwig EB (1985). Angiolymphoid hyperplasia with eosinophilia. A clinicopathologic study of 116 patients. *J Am Acad Dermatol.* 12(5 Pt 1):781–96. PMID:4008683
1948. Onaidia A, Montes-Moreno S, Rodriguez-Pinilla SM, Balle A, González de Villambrosia S, Rodríguez AM, et al. (2015). Primary cutaneous anaplastic large cell lymphomas with  $\text{t}(2;5)$  rearrangement exhibit particular histological features. *Histopathology.* 66(6):846–55. PMID:25131361
1949. Ong CS, Keogh AM, Kossard S, Macdonald PS, Spratt PM (1999). Skin cancer in Australian heart transplant recipients. *J Am Acad Dermatol.* 40(1):27–34. PMID:9922009
1950. Onken MD, Worley LA, Ehlers JP, Harbour JW (2004). Gene expression profiling in uveal melanoma reveals two molecular classes and predicts metastatic death. *Cancer Res.* 64(20):7205–9. PMID:15492234
1951. Opletalova K, Bourillon A, Yang W, Pouvelle C, Armier J, Despras E, et al. (2014). Correlation of phenotype/genotype in a cohort of 23 xeroderma pigmentosum-variant patients reveals 12 new disease-causing POLH mutations. *Hum Mutat.* 35(1):117–28. PMID:24130121
1952. Orlow I, Satagopan JM, Berwick M, Enriquez HL, White KA, Cheung K, et al. (2015). Genetic factors associated with naevus count and dermoscopic patterns: preliminary results from the Study of Nevi in Children (SONIC). *Br J Dermatol.* 172(4):1081–9. PMID:25307738
1953. Orrock JM, Abbott JJ, Gibson LE, Folpe AL (2009). IN1 and GLUT-1 expression in epithelioid sarcoma and its cutaneous neoplastic and nonneoplastic mimics. *Am J Dermatopathol.* 31(2):152–6. PMID:19318800
1954. Ortonne N, Huet D, Gaudez C, Marie-Cardine A, Schiavon V, Bagot M, et al. (2006). Significance of circulating T-cell clones in Sezary syndrome. *Blood.* 107(10):4030–8. PMID:16418328
1955. Ortonne N, Le Gouvello S, Mansour H, Poillet C, Martin N, Delfau-Larue MH, et al. (2008). CD158K/KIR3DL2 transcript detection in lesional skin of patients with erythroderma is a tool for the diagnosis of Sezary syndrome. *J Invest Dermatol.* 128(2):465–72. PMID:17703174
1956. Oschlies I, Lisfeld J, Lamant L, Nakazawa A, d'Amore ES, Hansson U, et al. (2013). ALK-positive anaplastic large cell lymphoma limited to the skin: clinical, histopathological and molecular analysis of 6 pediatric cases. A report from the ALCL99 study. *Haematologica.* 98(1):50–6. PMID:22773605
1957. Oschlies I, Simonitsch-Klupp I, Malydk J, Konovlov D, Abramov D, Myakova N, et al. (2015). Subcutaneous panniculitis-like T-cell lymphoma in children: a detailed



- clincopathological description of 11 multifocal cases with a high frequency of haemophagocytic syndrome. *Br J Dermatol.* 172(3):793–7. PMID:25456748
1958. Oshiro H, Iwai T, Hirota M, Mitsudo K, Tohnai I, Minamimoto R, et al. (2010). Primary sebaceous carcinoma of the tongue. *Med Mol Morphol.* 43(4):246–52. PMID:21267703
1959. Osio A, Fraitag S, Hadj-Rabia S, Bodeimer C, de Prost Y, Hamel-Teillac D (2010). Clinical spectrum of tufted angiomas in childhood: a report of 13 cases and a review of the literature. *Arch Dermatol.* 146(7):758–63. PMID:20644037
1960. Osterlind A, Tucker MA, Hou-Jensen K, Stone BJ, Engholm G, Jensen OM (1988). The Danish case-control study of cutaneous malignant melanoma. I. Importance of host factors. *Int J Cancer.* 42(2):200–6. PMID:3403065
1961. Ostler DA, Prieto VG, Reed JA, Deavers MT, Lazar AJ, Ivan D (2010). Adipophilin expression in sebaceous tumors and other cutaneous lesions with clear cell histology: an immunohistochemical study of 117 cases. *Mod Pathol.* 23(4):567–73. PMID:20118912
1962. Otsuka A, Levesque MP, Dummer R, Kabashima K (2015). Hedgehog signaling in basal cell carcinoma. *J Dermatol Sci.* 78(2):95–100. PMID:25766766
1963. Ouban A, Dellis J, Salup R, Morgan M (2003). Immunohistochemical expression of Mdm2 and p53 in penile verrucous carcinoma. *Ann Clin Lab Sci.* 33(1):101–6. PMID:12661905
1964. Oudijk L, den Bakker MA, Hop WC, Cohen M, Charles AK, Alaggio R, et al. (2012). Solitary, multifocal and generalized myofibromas: clinicopathological and immunohistochemical features of 114 cases. *Histopathology.* 60(6B):E1–11. PMID:22486319
1965. Ozerdem U, McNiff JM, Tavassoli FA (2016). Cytokeratin 7-negative mammary Paget's disease: a diagnostic pitfall. *Pathol Res Pract.* 212(4):279–81. PMID:26944832
1966. Pagano L, Valentini CG, Pulsoni A, Fisogni S, Carluccio P, Mannelli F, et al. (2013). Blastic plasmacytoid dendritic cell neoplasm with leukemic presentation: an Italian multicenter study. *Haematologica.* 98(2):239–46. PMID:23065521
1967. Page RN, King R, Mihm MC Jr, Googe PB (2004). Microphthalmia transcription factor and NK1/C3 expression in cellular neurothekeoma. *Mod Pathol.* 17(2):230–4. PMID:14685254
1968. Palicka GA, Rhodes AR (2010). Acral melanocytic nevi: prevalence and distribution of gross morphologic features in white and black adults. *Arch Dermatol.* 146(10):1085–94. PMID:20956637
1969. Pallure V, Frouin E, Petrella T, Depaape L, Dalle S, Dereure O (2014). Cutaneous indeterminate cell histiocytosis: two new observations including a case with paraneoplastic-like evolution. *Eur J Dermatol.* 24(4):505–6. PMID:25266746
1970. Palmedo G, Hantschke M, Rütten A, Mentzel T, Kempf W, Tomasini D, et al. (2007). Primary cutaneous marginal zone B-cell lymphoma may exhibit both the t(14;18)(q32;q21) IGH/BCL2 and the t(14;18)(q32;q21) IGH/MALT1 translocation: an indicator for clonal transformation towards higher-grade B-cell lymphoma? *Am J Dermatopathol.* 29(3):231–6. PMID:17519619
1971. Palmer LC, Strauch WG, Welton WA (1978). Lymphangioma circumscriptum. A case with deep lymphatic involvement. *Arch Dermatol.* 114(3):394–6. PMID:629576
1972. Pan H, Wang H, Fan Y (2011). Intracranial meningeal melanocytoma associated with nevus of Ota. *J Clin Neurosci.* 18(11):1548–50. PMID:21924617
1973. Pandey CR, Singh N, Tamang B (2017). Subungual glomus tumours: is magnetic resonance imaging or ultrasound necessary for diagnosis? *Malays Orthop J.* 11(1):47–51. PMID:28435574
1974. Paniago-Pereira C, Maize JC, Ackerman AB (1978). Nevus of large spindle and/or epithelioid cells (Spitz's nevus). *Arch Dermatol.* 114(12):1811–23. PMID:367281
1975. Pansuriya TC, van Eijk R, d'Adamo P, van Ruler MA, Kuijjer ML, Oosting J, et al. (2011). Somatic mosaic IDH1 and IDH2 mutations are associated with enchondroma and spindle cell hemangioma in Ollier disease and Maffucci syndrome. *Nat Genet.* 43(12):1256–61. PMID:22057234
1976. Pantanowitz L, Stebbing J, Dezube BJ, editors (2010). Overview of Kaposi sarcoma. In: Kaposi sarcoma: a model of oncogenesis. Kerala: Research Signpost; pp. 1–40.
1977. Papalás JA, Proia AD (2010). Primary mucinous carcinoma of the eyelid: a clinicopathologic and immunohistochemical study of 4 cases and an update on recurrence rates. *Arch Ophthalmol.* 128(9):1160–5. PMID:20837800
1978. Papeš D, Altarac S, Arslani N, Rajković Z, Antabak A, Čačić M (2014). Melanoma of the glans penis and urethra. *Urology.* 83(1):6–11. PMID:23978371
1979. Papo M, Diamond EL, Cohen-Aubart F, Emile JF, Roos-Weil D, Gupta N, et al. (2017). High prevalence of myeloid neoplasms in adults with non-Langerhans cell histiocytosis. *Blood.* 130(8):1007–13. PMID:28679734
1980. Papp G, Krausz T, Stricker TP, Szendrői M, Sápi Z (2014). SMARCB1 expression in epithelioid sarcoma is regulated by miR-206, miR-381, and miR-671-5p on both mRNA and protein levels. *Genes Chromosomes Cancer.* 53(2):168–76. PMID:24327545
1981. Paradelo S, Castiñeiras I, Cuevas J, Almagro M, del Pozo J, Fonseca E (2008). Mucinous carcinoma of the skin: evaluation of lymphatic invasion with D2-40. *Am J Dermatopathol.* 30(5):504–8. PMID:18806501
1982. Paradelo S, Fonseca E, Prieto VG (2011). Melanoma in children. *Arch Pathol Lab Med.* 135(3):307–16. PMID:21366453
1983. Paredes BE, Mentzel T (2011). Atypical lipomatous tumor/well-differentiated liposarcoma of the skin clinically presenting as a skin tag: clinicopathologic, immunohistochemical, and molecular analysis of 2 cases. *Am J Dermatopathol.* 33(6):603–7. PMID:21358383
1984. Parekh V, Guerrero CE, Knapp CF, Elmets CA, McKay KM (2016). A histological snapshot of hypothetical multistep progression from nevus sebaceus to invasive syringocystadenocarcinoma papilliferum. *Am J Dermatopathol.* 38(1):56–62. PMID:26317389
1985. Parham DM, Fisher C (1997). Angiosarcomas of the breast developing post radiotherapy. *Histopathology.* 31(2):189–95. PMID:9279573
1986. Paridaens AD, Minassian DC, McCartney AC, Hungerford JL (1994). Prognostic factors in primary malignant melanoma of the conjunctiva: a clinicopathologic study of 256 cases. *Br J Ophthalmol.* 78(4):252–9. PMID:8199108
1987. Park BS, Yang SG, Cho KH (1997). Malignant proliferating trichilemmal tumor showing distant metastases. *Am J Dermatopathol.* 19(5):536–9. PMID:9335249
1988. Park EA, Hong SH, Choi JY, Lee MW, Kang HS (2005). Glomangiomas: magnetic resonance imaging findings in three cases. *Skeletal Radiol.* 34(2):108–11. PMID:15372213
1989. Park HJ, Kim YC, Cinn YW (2000). Nodular hidradenocarcinoma with prominent squamous differentiation: case report and immunohistochemical study. *J Cutan Pathol.* 27(8):423–7. PMID:10955691
1990. Park HJ, Park CJ, Yi JY, Kim TY, Kim CW (1997). Nevus lipomatous superficialis on the face. *Int J Dermatol.* 36(6):435–7. PMID:9248887
1991. Park HK, Leonard DD, Arrington JH 3rd, Lund HZ (1977). Recurrent melanocytic nevi: clinical and histologic review of 175 cases. *J Am Acad Dermatol.* 17(2 Pt 1):285–92. PMID:3624565
1992. Park JM, Tsao H, Tsao S (2009). Acquired bilateral nevus of Ota-like macules (Hori nevus): etiologic and therapeutic considerations. *J Am Acad Dermatol.* 61(1):88–93. PMID:19539841
1993. Park SW, Jang KT, Lee JH, Park JH, Kwon GY, Mun GH, et al. (2016). Scattered atypical melanocytes with hyperchromatic nuclei in the nail matrix: diagnostic clue for early subungual melanoma in situ. *J Cutan Pathol.* 43(1):41–52. PMID:26423820
1994. Park SY, Jin SP, Yeom B, Kim SW, Cho SY, Lee JH (2011). Multiple fibromas of tendon sheath: unusual presentation. *Ann Dermatol.* 23 Suppl 1:S45–7. PMID:22028571
1995. Park SY, Lee JK, Jo S, Huh CH, Cho KH, Na JI (2014). Cutaneous epithelioid hemangioendothelioma presented as an ulcerated areolar mass. *J Dermatol.* 41(1):112–3. PMID:24354555
1996. Parkin DM, Whelan SL, Ferlay J, Teppo L, Thomas DB, editors (2002). Cancer incidence in five continents, Vol. VIII. Lyon: International Agency for Research on Cancer. IARC Scientific Publication No. 155.
1997. Parratt MT, Donaldson JR, Flanagan AM, Saifuddin A, Pollock RC, Skinner JA, et al. (2010). Elastofibroma dorsi: management, outcome and review of the literature. *J Bone Joint Surg Br.* 92(2):262–6. PMID:20130320
1998. Patchefsky AS, Enzinger FM (1981). Intravascular fasciitis: a report of 17 cases. *Am J Surg Pathol.* 5(1):29–36. PMID:7246849
1999. Patel KU, Szabo SS, Hernandez VS, Prieto VG, Abruzzo LV, Lazar AJ, et al. (2008). Dermatofibrosarcoma protuberans COL1A1-PDGFB fusion is identified in virtually all dermatofibrosarcoma protuberans cases when investigated by newly developed multiplex reverse transcription polymerase chain reaction and fluorescence in situ hybridization assays. *Hum Pathol.* 39(2):184–93. PMID:17950782
2000. Patel V, Squires SM, Liu DY, Fraga GR (2014). Cutaneous adenosquamous carcinoma: a rare neoplasm with biphasic differentiation. *Cutis.* 94(5):231–3. PMID:25474451
2001. Paties C, Taccagni GL, Papotti M, Valente G, Zangrandi A, Aloï F (1993). Apocrine carcinoma of the skin. A clinicopathologic, immunocytochemical, and ultrastructural study. *Cancer.* 71(2):375–81. PMID:7678545
2002. Paties C, Vassallo G, Taccagni GL (1997). Clear cell dermatofibroma. *Am J Surg Pathol.* 21(2):250–2. PMID:9042295
2003. Patrice SJ, Wiss K, Mulliken JB (1991). Pyogenic granuloma (lobular capillary hemangioma): a clinicopathologic study of 178 cases. *Pediatr Dermatol.* 8(4):267–76. PMID:1792196
2004. Patrick RJ, Fenske NA, Messina JL (2007). Primary mucosal melanoma. *J Am Acad Dermatol.* 56(5):828–34. PMID:17349716
2005. Patterson JW (2015). Tumors of the epidermis: actinic keratosis. In: Weedon's skin pathology. 4th ed. London: Elsevier; pp. 796–9.
2006. Patterson JW (2015). Weedon's skin pathology. 4th ed. London: Elsevier; p. 1149.
2007. Patterson JW (2015). Weedon's skin pathology. 4th ed. London: Elsevier; pp. 1166–70.
2008. Patterson JW, Jordan WP Jr (1987). Atypical fibroxanthoma in a patient with xeroderma pigmentosum. *Arch Dermatol.* 123(8):1066–70. PMID:3631985
2009. Patterson JW, Wick MR (2006). Nonmelanocytic tumors of the skin. In: *ATLAS of tumor pathology. Series 4, Fascicle 4.* Washington, DC: American Registry of Pathology Press; pp. 389–92.
2010. Patton KT, Deyrup AT, Weiss SW (2008). Atypical vascular lesions after surgery and radiation of the breast: a clinicopathologic study of 32 cases analyzing histologic heterogeneity and association with angiosarcoma. *Am J Surg Pathol.* 32(6):943–50. PMID:18551753
2011. Paul S, Majumdar S, Giri AK (2015). Genetic susceptibility to arsenic-induced skin lesions and health effects: a review. *Genes Environ.* 37:23. PMID:27350818
2012. Paulli M, Berti E, Rosso R, Boveri E, Kindl S, Klersy C, et al. (1995). CD30(NK1)-positive lymphoproliferative disorders of the skin: clinicopathologic correlation and statistical analysis of 86 cases: a multicentric study from the European Organization for Research and Treatment of Cancer Cutaneous Lymphoma Project Group. *J Clin Oncol.* 13(6):1940–9. PMID:7751878
2013. Paulli M, Rosso R, Kindl S, Boveri E, Nocolo D, Chioda C, et al. (1992). Immunohistotypic characterization of the cell infiltrate in five cases of sinus histiocytosis with massive lymphadenopathy (Rosai-Dorfman disease). *Hum Pathol.* 23(6):647–54. PMID:136287
2014. Paulson KG, Iyer JG, Simonson MT, Bhan A, Thibodeau RM, Schmidt M, et al. (2014). CD8+ lymphocyte intratumoral infiltration as a stage-independent predictor of Merkel cell carcinoma survival: a population-based study. *Am J Clin Pathol.* 142(4):452–8. PMID:25258471
2015. Pavlidakey PG, Burroughs C, Kato T, Somach SC (2011). Cutaneous epithelioid angiomatous nodule: a case with melanocytic lesions. *Am J Dermatopathol.* 33(8):524. PMID:21931284
2016. Pavlova O, Fraitag S, Hohl D (2016). 5-Hydroxymethylcytosine expression in proliferative nodules arising within congenital nevi allows differentiation from malignant melanoma. *J Invest Dermatol.* 136(12):2453–4. PMID:27456754
2017. Pawlik TM, Paulino AF, McGinn C, Baker LH, Cohen DS, Morris JS, et al. (2002). Cutaneous angiosarcoma of the scalp: a multidisciplinary approach. *Cancer.* 98(3):1719–23. PMID:14534889
2018. Pawlikowski JS, McBryan T, van Turen J, Droter ME, Hewitt RN, Maier AE, et al. (2013). Wnt signaling potentiates neovascularization. *Proc Natl Acad Sci U S A.* 110(40):16024–9. PMID:24043806
2019. Pawson R, Dyer MJ, Barge R, Nester E, Thornton PD, Emmett E, et al. (2017). Treatment of T-cell prolymphocytic leukemia with human CD52 antibody. *J Clin Oncol.* 35(17):2667–72. PMID:9215839
2020. Payal R, Gupta S, Aggarwal R, Hada S, Radotra BD, Arora SK (2006). Detection of high-risk human papillomavirus type 16 in cutaneous warts in immunocompetent patients using polymerase chain reaction. *Dermatol Online J.* 12(6):1. PMID:17083881
2021. Payne DA, Sanchez R, Tyring SK (1997). Cutaneous verruca with genital human papillomavirus in a 2-year-old girl. *Am J Dermatopathol.* 19(3):258–60. PMID:9185912
2022. Peachey RD, Lim OC, Whimster W (1970). Lymphangioma of skin. A review of 65 cases. *Br J Dermatol.* 83(5):519–27. PMID:5484713
2023. Pechère M, Roten S, Piletta P, Harms N, Krischer J (1998). Pigmented eccrine poroma. *Ann Dermatol Venerol.* 125(4):281. [French] PMID:9747272
2024. Pedeutour F, Coindre JM, Sazi G, Nicolo G, Leroux A, Toma S, et al. (1994). Supernumerary ring chromosomes containing



- chromosome 17 sequences. A specific feature of dermatofibrosarcoma protuberans? *Cancer Genet Cytogenet.* 76(1):1–9. PMID:8076341
- 2025.** Pedeutour F, Forus A, Coindre JM, Berner JM, Nicolo G, Michiels JF, et al. (1999). Structure of the supernumerary ring and giant rod chromosomes in adipose tissue tumors. *Genes Chromosomes Cancer.* 24(1):30–41. PMID:9892106
- 2026.** Pedeutour F, Simon MP, Minoletti F, Sozzi G, Pierotti MA, Hecht F, et al. (1995). Ring 22 chromosomes in dermatofibrosarcoma protuberans are low-level amplifiers of chromosome 17 and 22 sequences. *Cancer Res.* 55(11):2400–3. PMID:7757993
- 2027.** Pedeutour F, Suijkerbuijk RF, Van Gaal J, Van de Klundert W, Coindre JM, Van Haelst A, et al. (1993). Chromosome 12 origin in rings and giant markers in well-differentiated liposarcoma. *Cancer Genet Cytogenet.* 66(2):133–4. PMID:8500103
- 2028.** Pellacani G, Scope A, Ferrari B, Pupelli G, Bassoli S, Longo C, et al. (2009). New insights into neovascularization in vivo characterization and follow-up of melanocytic nevi by reflectance confocal microscopy. *J Am Acad Dermatol.* 61(6):1001–13. PMID:19833408
- 2029.** Peloponese JM Jr, Kinjo T, Jeang KT (2007). Human T-cell leukemia virus type 1 Tax and cellular transformation. *Int J Hematol.* 86(2):101–6. PMID:17875521
- 2030.** Pereira ES, Moraes ET, Siqueira DM, Santos MA (2015). Stewart Treves syndrome. *An Bras Dermatol.* 90(3 Suppl 1):229–31. PMID:26312725
- 2031.** Pereira PR, Odashiro AN, Rodrigues-Reyes AA, Correa ZM, de Souza Filho JP, Burnier MN Jr (2005). Histopathological review of sebaceous carcinoma of the eyelid. *J Cutan Pathol.* 32(7):496–501. PMID:16008694
- 2032.** Perkins P, Weiss SW (1996). Spindle cell hemangiioendothelioma. An analysis of 78 cases with reassessment of its pathogenesis and biologic behavior. *Am J Surg Pathol.* 20(10):1196–204. PMID:8827025
- 2033.** Perry AM, Warnke RA, Hu Q, Gaulard P, Copie-Bergman C, Alkan S, et al. (2013). Indolent T-cell lymphoproliferative disease of the gastrointestinal tract. *Blood.* 122(22):3599–606. PMID:24009234
- 2034.** Pesce C, Scalora S (2000). Apoptosis in the areas of squamous differentiation of irritated seborrheic keratosis. *J Cutan Pathol.* 27(3):121–3. PMID:10728813
- 2035.** Peter M, Couturier J, Pacquement H, Michon J, Thomas G, Magdelenat H, et al. (1997). A new member of the ETS family fused to EWS in Ewing tumors. *Oncogene.* 14(10):1159–64. PMID:9121764
- 2036.** Peterdy GA, Huettner PC, Rajaram V, Lind AC (2002). Trichofolliculoma of the vulva associated with vulvar intraepithelial neoplasia: report of three cases and review of the literature. *Int J Gynecol Pathol.* 21(3):224–30. PMID:12068167
- 2037.** Peterson CM, Ratz JL, Sangueza OP (2001). Microcystic adnexal carcinoma: first reported case in an African American man. *J Am Acad Dermatol.* 45(2):283–5. PMID:11464192
- 2038.** Petersson F, Huang J (2011). Epstein-Barr virus-associated smooth muscle tumor mimicking cutaneous angioleiomyoma. *Am J Dermatopathol.* 33(4):407–9. PMID:21285860
- 2039.** Petersson F, Ivan D, Kazakov DV, Michal M, Prieto VG (2009). Pigmented Paget disease—a diagnostic pitfall mimicking melanoma. *Am J Dermatopathol.* 31(3):223–6. PMID:19384061
- 2040.** Petersson F, Kutzner H, Spagnolo DV, Bisceglia M, Kacerovska D, Vazmitel M, et al. (2009). Adenoid cystic carcinoma-like pattern in spiradenoma and spiradenocylindroma: a rare feature in sporadic neoplasms and those associated with Brooke-Spiegler syndrome. *Am J Dermatopathol.* 31(7):642–8. PMID:19633533
- 2041.** Petersson F, Michal M, Kazakov DV, Grossmann P, Michal M (2016). A new hitherto unreported histopathologic manifestation of mammary analogue secretory carcinoma: “masked MASC” associated with low-grade mucinous adenocarcinoma and low-grade in situ carcinoma components. *Appl Immunohistochem Mol Morphol.* 24(9):e80–5. PMID:26808131
- 2042.** Pettersen F, Nga ME (2012). Spiradenocarcinoma with low-grade basal cell adenocarcinoma pattern: report of a case with varied morphology and wild type TP53. *J Cutan Pathol.* 39(3):372–6. PMID:22077486
- 2043.** Petrella T, Bagot M, Willemze R, Beylot-Barry M, Vergier B, Delaunay M, et al. (2005). Blastic NK-cell lymphomas (agranular CD4+CD56+ hematodermic neoplasms): a review. *Am J Clin Pathol.* 123(5):662–75. PMID:15981806
- 2044.** Petrella T, Comeau MR, Maynadié M, Couillault G, De Muret A, Maliszewski CR, et al. (2002). ‘Agranular CD4+ CD56+ hematodermic neoplasm’ (blastic NK-cell lymphoma) originates from a population of CD56+ precursor cells related to plasmacytoid monocytes. *Am J Surg Pathol.* 26(7):852–62. PMID:12131152
- 2045.** Petrella T, Facchetti F (2010). Tumoral aspects of plasmacytoid dendritic cells: what do we know in 2009? *Autoimmunity.* 43(3):210–4. PMID:20166873
- 2046.** Petrella T, Maubec E, Cornillet-Lefebvre P, Willemze R, Pluot M, Durlach A, et al. (2007). Indolent CD8-positive lymphoid proliferation of the ear: a distinct primary cutaneous T-cell lymphoma? *Am J Surg Pathol.* 31(12):1887–92. PMID:18043044
- 2047.** Petronic-Rosic V, Shea CR, Krausz T (2004). Pagetoid melanocytosis: when is it significant? *Pathology.* 36(5):435–44. PMID:15370113
- 2048.** Pflug N, Bahlo J, Shanafelt TD, Eichhorst BF, Bergmann MA, Elter T, et al. (2014). Development of a comprehensive prognostic index for patients with chronic lymphocytic leukemia. *Blood.* 124(1):49–62. PMID:24797299
- 2049.** Pham-Ledard A, Beylot-Barry M, Barbe C, Leduc M, Petrella T, Vergier B, et al. (2014). High frequency and clinical prognostic value of MYD88 L265P mutation in primary cutaneous diffuse large B-cell lymphoma, leg-type. *JAMA Dermatol.* 150(11):1173–9. PMID:25055137
- 2050.** Pham-Ledard A, Cappellen D, Martinez F, Vergier B, Beylot-Barry M, Merlio JP (2012). MYD88 somatic mutation is a genetic feature of primary cutaneous diffuse large B-cell lymphoma, leg type. *J Invest Dermatol.* 132(8):2118–20. PMID:22495176
- 2051.** Pham-Ledard A, Cowppli-Bony A, Dousau A, Prochazkova-Carlotti M, Laharanne E, Jouary T, et al. (2015). Diagnostic and prognostic value of BCL2 rearrangement in 53 patients with follicular lymphoma presenting as primary skin lesions. *Am J Clin Pathol.* 143(3):362–73. PMID:25696794
- 2052.** Pham-Ledard A, Prochazkova-Carlotti M, Andrique L, Cappellen D, Vergier B, Martinez F, et al. (2014). Multiple genetic alterations in primary cutaneous large B-cell lymphoma, leg type support a common lymphomagenesis with activated B-cell-like diffuse large B-cell lymphoma. *Mod Pathol.* 27(3):402–11. PMID:24030746
- 2053.** Pham-Ledard A, Prochazkova-Carlotti M, Laharanne E, Vergier B, Jouary T, Beylot-Barry M, et al. (2010). IRF4 gene rearrangements define a subgroup of CD30-positive cutaneous T-cell lymphoma: a study of 54 cases. *J Invest Dermatol.* 130(3):816–25. PMID:19812605
- 2054.** Phan A, Touzet S, Dalle S, Ronger-Savié S, Balme B, Thomas L (2006). Acral lentiginous melanoma: a clinicoprognostic study of 126 cases. *Br J Dermatol.* 155(3):561–9. PMID:16911282
- 2055.** Piamphongsant T (1999). Chronic environmental arsenic poisoning. *Int J Dermatol.* 38(6):401–10. PMID:10397578
- 2056.** Piccaluga PP, Rossi M, Agostinelli C, Ricci F, Gazzola A, Righi S, et al. (2014). Platelet-derived growth factor alpha mediates the proliferation of peripheral T-cell lymphoma cells via an autocrine regulatory pathway. *Leukemia.* 28(8):1687–97. PMID:24480986
- 2057.** Piepkorn MW, Bamhill RL, Elder DE, Knezevich SR, Carey PA, Reisch LM, et al. (2014). The MPATH-Dx reporting schema for melanocytic proliferations and melanoma. *J Am Acad Dermatol.* 70(1):131–41. PMID:24176521
- 2058.** Pieri L, Bonadonna P, Elena C, Papanannidis C, Grifoni FI, Rondoni M, et al. (2016). Clinical presentation and management practice of systemic mastocytosis. A survey on 460 Italian patients. *Am J Hematol.* 91(7):692–9. PMID:27060898
- 2059.** Pilarski R, Burt R, Kohlman W, Pho L, Shannon KM, Swisher E (2013). Cowden syndrome and the PTEN hamartoma tumor syndrome: systematic review and revised diagnostic criteria. *J Natl Cancer Inst.* 105(21):1607–16. PMID:24136893
- 2060.** Pilarski R, Cebulla CM, Massengill JB, Rai K, Rich T, Strong L, et al. (2014). Expanding the clinical phenotype of hereditary BAP1 cancer predisposition syndrome, reporting three new cases. *Genes Chromosomes Cancer.* 53(2):177–82. PMID:24243779
- 2061.** Pileri A, Facchetti F, Rütten A, Zumiani G, Boi S, Fink-Puches R, et al. (2011). Syringotrophic mycosis fungoides: a rare variant of the disease with peculiar clinicopathologic features. *Am J Surg Pathol.* 35(1):100–9. PMID:21164293
- 2062.** Pileri SA, Grogan TM, Harris NL, Banks P, Campo E, Chan JK, et al. (2002). Tumours of histiocytes and accessory dendritic cells: an immunohistochemical approach to classification from the International Lymphoma Study Group based on 61 cases. *Histopathology.* 41(1):1–29. PMID:12121233
- 2063.** Pilichowska ME, Fleming MD, Pinkus JL, Pinkus GS (2007). CD4+CD56+ hematodermic neoplasm (“blastic natural killer cell lymphoma”): neoplastic cells express the immature dendritic cell marker BDCA-2 and produce interferon. *Am J Clin Pathol.* 128(3):445–53. PMID:17709319
- 2064.** Pillozzi E, Pulford K, Jones M, Müller-Hermelink HK, Falini B, Raffkiaer E, et al. (1998). Co-expression of CD79a (JCB117) and CD3 by lymphoblastic lymphoma. *J Pathol.* 186(2):140–3. PMID:9924428
- 2065.** Piotrowski A, Xie J, Liu YF, Poplawski AB, Gomes AR, Madanecki P, et al. (2014). Germline loss-of-function mutations in LZTR1 predispose to an inherited disorder of multiple schwannomas. *Nat Genet.* 46(2):182–7. PMID:24362817
- 2066.** Piqué E, Aguilar A, Fariña MC, Gallego MA, Escalonilla P, Requena L (1995). Partial unilateral lentiginosis: report of seven cases and review of the literature. *Clin Exp Dermatol.* 20(4):319–22. PMID:8548990
- 2067.** Piqué E, Olivares M, Espinel ML, Fariña M, Martín L, Barat A, et al. (1995). Malignant hidroacanthoma simplex. A case report and literature review. *Dermatology.* 190(1):72–6. PMID:7894103
- 2068.** Piris A, Peng Y, Boussahmain C, Essary LR, Gudewicz TM, Hoang MP (2014). Cutaneous and mammary apocrine carcinomas have different immunoprofiles. *Hum Pathol.* 45(2):320–6. PMID:24342430
- 2069.** Pitchford CW, Schwartz HS, Atkinson JB, Cates JM (2006). Soft tissue perineurioma in a patient with neurofibromatosis type 2: a tumor not previously associated with the NF2 syndrome. *Am J Surg Pathol.* 30(12):1624–9. PMID:17122521
- 2070.** Plateroti AM, Scavella V, Abdolrahimzadeh B, Plateroti R, Rahimi S (2017). An update on oculodermal melanocytosis and rare associated conditions. *Semin Ophthalmol.* 32(4):524–8. PMID:27083007
- 2071.** Plaza JA, Comfere NI, Gibson LE, Colgan M, Davis DM, Pittelkow MR, et al. (2009). Unusual cutaneous manifestations of B-cell chronic lymphocytic leukemia. *J Am Acad Dermatol.* 60(5):772–80. PMID:19389520
- 2072.** Plaza JA, Sanguenza M (2015). Hydroa vacciniforme-like lymphoma with primarily periorbital swelling: 7 cases of an atypical clinical manifestation of this rare cutaneous T-cell lymphoma. *Am J Dermatopathol.* 37(1):20–5. PMID:25162933
- 2073.** Plaza JA, Torres-Cabala C, Evans H, Diwan HA, Suster S, Prieto VG (2010). Cutaneous metastases of malignant melanoma: a clinicopathologic study of 192 cases with emphasis on the morphologic spectrum. *Am J Dermatopathol.* 32(2):129–36. PMID:20010406
- 2074.** Plumb SJ, Argenyi ZB, Stone MS, De Young BR (2004). Cytokeratin 5/6 immunostaining in cutaneous adnexal neoplasms and metastatic adenocarcinoma. *Am J Dermatopathol.* 26(6):447–51. PMID:15618924
- 2075.** Poiares Baptista A, Tellescha O, Reis JP, Cunha MF, Figueiredo P (1993). Eccrine porocarcinoma. A review of 24 cases. *Ann Dermatol Venereol.* 120(1):107–15. [French] PMID:8338322
- 2076.** Pollard WL, Beachkofsky TM, Kobayashi TT (2015). Novel R634W c-kit mutation identified in familial mastocytosis. *Pediatr Dermatol.* 32(2):267–70. PMID:25243845
- 2077.** Pollock PM, Harper UL, Hansen KS, Yudt LM, Stark M, Robbins CM, et al. (2003). High frequency of BRAF mutations in nevi. *Nat Genet.* 33(1):19–20. PMID:12447372
- 2078.** Ponguduponth M, Rattanakaemakorn P, Fleischer AB Jr (2015). Usefulness of random skin biopsy as a diagnostic tool of intravascular lymphoma presenting with fever of unknown origin. *Am J Dermatopathol.* 37(9):686–90. PMID:26291417
- 2079.** Poniecka AW, Alexis JB (1999). An immunohistochemical study of basal cell carcinoma and trichoepithelioma. *Am J Dermatopathol.* 21(4):332–6. PMID:10446773
- 2080.** Ponti G, Losi L, Pedroni M, Lucci-Cordisco E, Di Gregorio C, Pellacani G, et al. (2006). Value of MLH1 and MSH2 mutations in the appearance of Muir-Torre syndrome phenotype in HNPCC patients presenting sebaceous gland tumors or keratoacanthomas. *J Invest Dermatol.* 126(10):2302–7. PMID:16826164
- 2081.** Ponti G, Pellacani G, Seidenari S, Pollio A, Muscatello U, Tomasi A (2013). Cancer-associated genodermatoses: skin neoplasms as clues to hereditary tumor syndromes. *Crit Rev Oncol Hematol.* 85(3):239–56. PMID:22823951
- 2082.** Ponti G, Ponz de Leon M (2005). Muir-Torre syndrome. *Lancet Oncol.* 6(12):980–7. PMID:16321766
- 2083.** Ponti R, Quaglino P, Novelli M, Fierro MT, Comessatti A, Peroni A, et al. (2005). T-cell receptor gamma gene rearrangement by multiplex polymerase chain reaction/heteroduplex analysis in patients with cutaneous T-cell lymphoma (mycosis fungoides/Sézary syndrome) and benign inflammatory disease: correlation with clinical, histological and immunophenotypic findings. *Br J Dermatol.* 153(3):565–73. PMID:16120144



2084. Ponticelli C, Cucchiari D, Bencini P (2014). Skin cancer in kidney transplant recipients. *J Nephrol*. 27(4):385–94. PMID:24809813
2085. Ponzoni M, Arrigoni G, Gould VE, Del Curto B, Maggioni M, Scapinello A, et al. (2000). Lack of CD 29 (beta1 integrin) and CD 54 (ICAM-1) adhesion molecules in intravascular lymphomatous. *Hum Pathol*. 31(2):220–6. PMID:10685637
2086. Ponzoni M, Ferreri AJ (2006). Intravascular lymphoma: a neoplasm of 'homeless' lymphocytes? *Hematol Oncol*. 24(3):105–12. PMID:16721900
2087. Ponzoni M, Ferreri AJ, Campo E, Facchetti F, Mazzucchelli L, Yoshino T, et al. (2007). Definition, diagnosis, and management of intravascular large B-cell lymphoma: proposals and perspectives from an international consensus meeting. *J Clin Oncol*. 25(21):3168–73. PMID:17577023
2088. Popova T, Hebert L, Jacquemin V, Gad S, Caux-Moncoutier V, Dubois-d'Enghien C, et al. (2013). Germline BAP1 mutations predispose to renal cell carcinomas. *Am J Hum Genet*. 92(6):974–80. PMID:23684012
2089. Portal C, Fang F, Kanner W, Wilson B (2013). Clear cell acanthoma. *Cutis*. 92(2):62, 77–9. PMID:24087787
2090. Potrony M, Badenas C, Aguilera P, Puig-Butillé JA, Carrera C, Malvehy J, et al. (2015). Update in genetic susceptibility in melanoma. *Ann Transl Med*. 3(15):210. PMID:26488006
2091. Pradhan A, Grimer RJ, Spooner D, Peake D, Carter SR, Tillman RM, et al. (2011). Oncological outcomes of patients with Ewing's sarcoma: is there a difference between skeletal and extra-skeletal Ewing's sarcoma? *J Bone Joint Surg Br*. 93(4):531–6. PMID:21464495
2092. Pranteda G, Grimaldi M, Lombardi M, Pranteda G, Arcese A, Cortesi G, et al. (2014). Basal cell carcinoma: differences according to anatomic location and clinical-pathological subtypes. *G Ital Dermatol Venereol*. 149(4):423–6. PMID:25068230
2093. Prasad A, Rabionet R, Espinet B, Zapata L, Puiggros A, Melero C, et al. (2016). Identification of gene mutations and fusion genes in patients with Sézary syndrome. *J Invest Dermatol*. 136(7):1490–9. PMID:27039262
2094. Prescott RJ, Husain EA, Abdellaoui A, Al-Mahmoud RM, Khan M, Salman WD, et al. (2008). Superficial acral fibromyxoma: a clinicopathological study of new 41 cases from the U.K.: should myxoma (NOS) and fibroma (NOS) continue as part of 21st-century reporting? *Br J Dermatol*. 159(6):1315–21. PMID:18764846
2095. Price EB Jr, Silliphant WM, Shuman R (1961). Nodular fasciitis: a clinicopathologic analysis of 65 cases. *Am J Clin Pathol*. 35(2):122–36. PMID:13737962
2096. Price SK, Kahn LB, Saxe N (1993). Dermal and intravascular fasciitis. Unusual variants of nodular fasciitis. *Am J Dermatopathol*. 15(6):539–43. PMID:8311183
2097. Prieto VG, Reed JA, Shea CR (1995). Immunohistochemistry of dermatofibromas and benign fibrous histiocytomas. *J Cutan Pathol*. 22(4):336–41. PMID:7499573
2098. Prieto-Granada CN, Lezcano C, Scolyer RA, Mihm MC Jr, Piris A (2016). Lethal melanoma in children: a clinicopathological study of 12 cases. *Pathology*. 48(7):705–11. PMID:27956274
2099. Prieto-Granada CN, Wiesner T, Messina JL, Jungbluth AA, Chi P, Antonescu CR (2016). Loss of H3K27me3 expression is a highly sensitive marker for sporadic and radiation-induced MPNST. *Am J Surg Pathol*. 40(4):479–89. PMID:26645727
2100. Prieto-Granada CN, Zhang L, Antonescu CR, Henneberry JM, Messina JL (2017). Primary cutaneous adenoid cystic carcinoma with MYB aberrations: report of three cases and comprehensive review of the literature. *J Cutan Pathol*. 44(2):201–9. PMID:27859477
2101. Prince C, Mehregan AH, Hashimoto K, Plotnick H (1984). Large melanocanthomas: a report of five cases. *J Cutan Pathol*. 11(4):309–17. PMID:6491009
2102. Proietti FA, Carneiro-Proietti AB, Catalan-Soares BC, Murphy EL (2005). Global epidemiology of HTLV-I infection and associated diseases. *Oncogene*. 24(39):6058–68. PMID:16155612
2103. Puig-Butillé JA, Carrera C, Kumar R, Garcia-Casado Z, Badenas C, Aguilera P, et al. (2013). Distribution of MC1R variants among melanoma subtypes: p.R163Q is associated with lentigo maligna melanoma in a Mediterranean population. *Br J Dermatol*. 169(4):804–11. PMID:23647022
2104. Pujol RM, LeBoit PE, Su WP (1997). Microcystic adnexal carcinoma with extensive sebaceous differentiation. *Am J Dermatopathol*. 19(4):358–62. PMID:9261470
2105. Pulitzer DR, Martin PC, Reed RJ (1995). Epithelioid glomus tumor. *Hum Pathol*. 26(9):1022–7. PMID:7672784
2106. Pulitzer MP, Amin BD, Busam KJ (2009). Merkel cell carcinoma: review. *Adv Anat Pathol*. 16(3):135–44. PMID:19395876
2107. Pulitzer MP, Brannon AR, Berger MF, Louis P, Scott SN, Jungbluth AA, et al. (2015). Cutaneous squamous and neuroendocrine carcinoma: genetically and immunohistochemically different from Merkel cell carcinoma. *Mod Pathol*. 28(8):1023–32. PMID:26022453
2108. Puls F, Hofvander J, Magnusson L, Nilsson J, Haywood E, Sumathi VP, et al. (2016). FN1-EGF gene fusions are recurrent in calcifying aponeurotic fibroma. *J Pathol*. 238(4):502–7. PMID:26691015
2109. Puntrovell HE, Yang XR, Vetti HH, Bachmann IM, Avril MF, Benfodda M, et al. (2013). Melanoma prone families with CDK4 germline mutation: phenotypic profile and associations with MC1R variants. *J Med Genet*. 50(4):264–70. PMID:23384855
2110. Pursley TV (1983). Nevus lipomatosus cutaneous superficialis. *Int J Dermatol*. 22(7):430–1. PMID:6629609
2111. Pyne JH, Myint E, Barr EM, Clark SP, David M, Na R (2017). Acantholytic invasive squamous cell carcinoma: tumor diameter, invasion depth, grade of differentiation, surgical margins, perineural invasion, recurrence and death rate. *J Cutan Pathol*. 44(4):320–7. PMID:27991679
2112. Quaglino P, Pimpinelli N, Berti E, Calzavara-Pinton P, Alfonso Lombardo G, Rupoli S, et al. (2012). Time course, clinical pathways, and long-term hazards risk trends of disease progression in patients with classic mycosis fungoides: a multicenter, retrospective follow-up study from the Italian Group of Cutaneous Lymphomas. *Cancer*. 118(23):5830–9. PMID:22674564
2113. Quante M, Patel NK, Hill S, Merchant W, Courtauld E, Newman P, et al. (1998). Epithelioid hemangioidenothelioma presenting in the skin: a clinicopathologic study of eight cases. *Am J Dermatopathol*. 20(6):541–6. PMID:9855348
2114. Que SK, Weston G, Suchecki J, Rickeltes J (2015). Pigmentary disorders of the eyes and skin. *Clin Dermatol*. 33(2):147–58. PMID:25704935
2115. Quint KD, Clevon AH, Vermeer MH (2017). Special variant of histiocytosis. *BMJ Case Rep*. 2017:bcr-2017-221538. PMID:29070620
2116. Quintanilla-Martinez L, Jansen PM, Kinney MC, Swerdlow SH, Willemze R (2013). Non-mycosis fungoides cutaneous T-cell lymphomas: report of the 2011 Society for Hematopathology/European Association for Haematopathology workshop. *Am J Clin Pathol*. 139(4):491–514. PMID:23525618
2117. Quintanilla-Martinez L, Ridaura C, Nagl F, Sáez-de-Ocariz M, Durán-McKinster C, Ruiz-Maldonado R, et al. (2013). Hydroa vacciniforme-like lymphoma: a chronic EBV+ lymphoproliferative disorder with risk to develop a systemic lymphoma. *Blood*. 122(18):3101–10. PMID:23982171
2118. Quist SR, Eckardt M, Kriesche A, Gollnick HP (2016). Expression of epidermal stem cell markers in skin and adnexal malignancies. *Br J Dermatol*. 175(3):520–30. PMID:26914519
2119. Qureshi HS, Ormsby AH, Lee MW, Zarbo RJ, Ma CK (2004). The diagnostic utility of p63, CK5/6, CK 7, and CK 20 in distinguishing primary cutaneous adnexal neoplasms from metastatic carcinomas. *J Cutan Pathol*. 31(2):145–52. PMID:14690459
2120. Qureshi HS, Salama ME, Chitale D, Bansal I, Ma CK, Raju U, et al. (2004). Primary cutaneous mucinous carcinoma: presence of myoepithelial cells as a clue to the cutaneous origin. *Am J Dermatopathol*. 26(5):353–8. PMID:15365364
2121. Rabenhorst A, Christopheit B, Leja S, Gerbaulet A, Kleiner S, Förster A, et al. (2013). Serum levels of bone cytokines are increased in indolent systemic mastocytosis associated with osteopenia or osteoporosis. *J Allergy Clin Immunol*. 132(5):1234–7.e7. PMID:23910691
2122. Rahbari H, Mehregan AH (1981). Sporadic atypical mole syndrome. A report of five nonfamilial B-K mole syndrome-like cases and histopathologic findings. *Arch Dermatol*. 117(6):329–31. PMID:7247423
2123. Rahimi AD, Shelton R, Dumas A, DiConstanzo D, Phelps R (2001). Mohs micrographic surgery of a plexiform fibrohistiocytic tumor. *Dermatol Surg*. 27(8):768–71. PMID:11493305
2124. Rahman MM, Chowdhury UK, Mukherjee SC, Mondal BK, Paul K, Lodh D, et al. (2001). Chronic arsenic toxicity in Bangladesh and West Bengal, India—a review and commentary. *J Toxicol Clin Toxicol*. 39(7):683–700. PMID:11778666
2125. Raj S, Calonje E, Kraus M, Kavanagh G, Newman PL, Fletcher CD (1997). Cutaneous pilar leiomyoma: clinicopathologic analysis of 53 lesions in 45 patients. *Am J Dermatopathol*. 19(1):2–9. PMID:9056647
2126. Rajyaguru DJ, Bhaskar C, Borgert AJ, Smith A, Parsons B (2017). Intravascular large B-cell lymphoma in the United States (US): a population-based study using Surveillance, Epidemiology, and End Results program and National Cancer Database. *Leuk Lymphoma*. 58(9):1–9. PMID:28278725
2127. Ramakrishna R, Sarathy K, Sarathy T (2013). Rituximab therapy in cutaneous infiltration of chronic lymphocytic leukaemia. *Acta Haematol*. 130(1):47–51. PMID:23406682
2128. Ramakrishnan R, Chaudhry IH, Ramdial P, Lazar AJ, McMenamin ME, Kazakov D, et al. (2013). Primary cutaneous adenoid cystic carcinoma: a clinicopathologic and immunohistochemical study of 27 cases. *Am J Surg Pathol*. 37(10):1603–11. PMID:24025525
2129. Ramani P, Shah A (1993). Lymphangiomas. Histologic and immunohistochemical analysis of four cases. *Am J Surg Pathol*. 17(4):329–35. PMID:8494102
2130. Ramesh P, Annapureddy SR, Khan F, Sutarua PD (2004). Angioleiomyoma: a clinical, pathological and radiological review. *Int J Clin Pract*. 58(6):587–91. PMID:15311559
2131. Ramolia P, Treadwell P, Haggstrom A (2009). Speckled lentiginous nevus syndrome associated with musculoskeletal abnormalities. *Pediatr Dermatol*. 26(3):298–301. PMID:19706091
2132. Ramos da Silva S, Ferraz da Silva AP, Bacchi MM, Bacchi CE, Elgui de Oliveira D (2011). KSHV genotypes A and C are more frequent in Kaposi sarcoma lesions from Brazilian patients with and without HIV infection, respectively. *Cancer Lett*. 301(1):85–94. PMID:21109347
2133. Ramos-Caro FA, Sexton FM, Browder JF, Flowers FP (1992). Acantholytic acanthomas in an immunosuppressed patient. *J Am Acad Dermatol*. 27(3):452–3. PMID:1401284
2134. Rangwala S, Tsai KY (2011). Roles of the immune system in skin cancer. *Br J Dermatol*. 165(5):953–65. PMID:21729024
2135. Rao NA, Hidayat AA, McLean WJ, Zimmerman LE (1982). Sebaceous carcinomas of the ocular adnexa: a clinicopathologic study of 104 cases, with five-year follow-up data. *Hum Pathol*. 13(2):113–22. PMID:7076199
2136. Rapini RP, Golitz LE (1989). Solenitic fibromas of the skin. *J Am Acad Dermatol*. 20(2 Pt 1):266–71. PMID:2464630
2137. Ratterman M, Kruczek K, Subic S, Shanafelt TD, Kay NE, Nabhan C (2014). Extramedullary chronic lymphocytic leukemia: systematic analysis of cases reported between 1975 and 2012. *Leuk Res*. 38(3):299–302. PMID:24064196
2138. Ratzing G, Burgdorf WH, Metz D, Zelger BG, Zelger B (2005). Indeterminate cell histiocytosis: fact or fiction? *J Cutan Pathol*. 32(8):552–60. PMID:16115054
2139. Raut CP, Miceli R, Strauss DC, Swallow CJ, Hohenberger P, van Coevorden F, et al. (2016). External validation of a multi-institutional retroperitoneal sarcoma nomogram. *Cancer*. 122(9):1417–24. PMID:26916507
2140. Read J, Wadt KA, Hayward NK (2016). Melanoma genetics. *J Med Genet*. 53(1):1–14. PMID:26337759
2141. Rebel HG, Bodmann CA, van de Grint GC, de Grujil FR (2012). UV-induced ablation of the epidermal basal layer including p53-mutant clones resets UV carcinogenesis showing squamous cell carcinomas to originate from interfollicular epidermis. *Carcinogenesis*. 33(3):714–20. PMID:22227037
2142. Redono C, Rocamora A, Viloria F, Garcia M (1982). Malignant mixed tumor of the skin: malignant chondroid syringoma. *Cancer*. 49(8):1690–6. PMID:6279274
2143. Reed ML, Jacoby RA (1983). Cutaneous neuroanatomy and neuropathology. Normal nerves, neural-crest derivatives, and benign neural neoplasms in the skin. *Am J Dermatopathol*. 5(4):335–62. PMID:66384036
2144. Reed RJ (1976). Acral lentiginous melanoma. In: Hartman W, Kay S, Reed RJ, editors. *New concepts in surgical pathology of the skin*. New York: Wiley; pp. 89–90.
2145. Reed RJ, Fine RM, Meltzer HD (1972). Palisaded, encapsulated neuromas of the skin. *Arch Dermatol*. 106(6):855–70. PMID:453291
2146. Reed RJ, Ichinose H, Clark WH Jr, Mihm MC Jr (1975). Common and uncommon melanocytic nevi and borderline melanomas. *Semin Oncol*. 2(2):119–47. PMID:1234372
2147. Regauer S, Beham-Schmid C, Okcu M, Hartner E, Mannweiler S (2003). Trichoblastic carcinoma ("malignant trichoblastoma"): well lymphatic and hematogenous metastases. *Hum Pathol*. 13(6):673–8. PMID:10874673
2148. Rehman I, Takata M, Wu Y, Reed J (1996). Genetic change in acral lentiginous melanoma. *Oncogene*. 12(12):2483–90. PMID:8703586
2149. Reifemberger J, Wolter M, Rostock G, Köhler B, Schönöcke A, Schanbacher C, et al. (2005). Somatic mutations in the PTEN, BRAF, SUFUH and TP53 genes in sporadic basaloid carcinomas. *Br J Dermatol*. 152(1):49–54. PMID:15656799



- 2150.** Reimann JD, Fletcher CD (2007). Myxoid dermatofibrosarcoma protuberans: a rare variant analyzed in a series of 23 cases. *Am J Surg Pathol.* 31(9):1371–7. PMID:17721193
- 2151.** Reis JP, Tellechea O, Cunha MF, Baptista AP (1993). Trichilemmal carcinoma: review of 8 cases. *J Cutan Pathol.* 20(1):44–9. PMID:8468416
- 2152.** Remstein ED, Arndt CA, Nascimento AG (1999). Plexiform fibrohistiocytic tumor: clinicopathologic analysis of 22 cases. *Am J Surg Pathol.* 23(6):662–70. PMID:10366148
- 2153.** Requena C, Botella R, Nagore E, Sanmartín O, Llombart B, Serra-Guillén C, et al. (2012). Characteristics of spitzoid melanoma and clues for differential diagnosis with Spitz nevus. *Am J Dermatopathol.* 34(5):478–86. PMID:22257900
- 2154.** Requena C, Requena L, Kutzner H, Sánchez Yus E (2009). Spitz nevus: a clinicopathological study of 349 cases. *Am J Dermatopathol.* 31(2):107–16. PMID:19318795
- 2155.** Requena L, Gutiérrez J, Sánchez Yus E (1992). Multiple sclerotic fibromas of the skin. A cutaneous marker of Cowden's disease. *J Cutan Pathol.* 19(4):346–51. PMID:1430474
- 2156.** Requena L, Hiramoto K, Bernard A, Ackerman MD, Carter D, editors (1998). Neoplasm with apocrine differentiation. In: Ackerman's histologic diagnosis of neoplastic diseases. Philadelphia: Lippincott Williams & Wilkins.
- 2157.** Requena L, Kutzner H, editors (2014). Cutaneous soft tissue tumors. Philadelphia: Lippincott Williams & Wilkins; pp. 33–42.
- 2158.** Requena L, Kutzner H, Mentzel T, Durán R, Rodríguez-Peraltó JL (2002). Benign vascular proliferations in irradiated skin. *Am J Surg Pathol.* 26(3):328–37. PMID:11859204
- 2159.** Requena L, Luis Díaz J, Manzarbelita F, Carrillo R, Fernández-Herrera J, Kutzner H (2008). Cutaneous composite hemangioma-dermatofibroma with satellitosis and lymph node metastases. *J Cutan Pathol.* 35(2):225–30. PMID:18190450
- 2160.** Requena L, Marquina A, Alegre V, Aliaga A, Sanchez Yus E (1990). Sclerosing-sweat-duct (microcystic adnexal) carcinoma—a tumor from a single eccrine origin. *Clin Exp Dermatol.* 15(3):222–4. PMID:2163783
- 2161.** Requena L, Prieto VG, Requena C, Sarasa JL, Manzano R, Seco M, et al. (2011). Primary signet-ring cell/histiocytoid carcinoma of the eyelid: a clinicopathologic study of 5 cases and review of the literature. *Am J Surg Pathol.* 35(3):378–91. PMID:21317710
- 2162.** Requena L, Requena C (2010). Histopathology of the more common viral skin infections. *Actas Dermosifiliogr.* 101(3):201–16. [Spanish] PMID:20398595
- 2163.** Requena L, Sánchez M, Aguilar A, Ambrójo P, Sánchez Yus E (1990). Periungual porocarcinoma. *Dermatologica.* 180(3):177–80. PMID:2160378
- 2164.** Requena L, Sangüeza O (2017). Cutaneous adnexal neoplasms. Cham: Springer International Publishing; pp. 75–81.
- 2165.** Requena L, Sangüeza O (2017). Cutaneous adnexal neoplasms. Cham: Springer International Publishing; pp. 12–38.
- 2166.** Requena L, Sangüeza O (2017). Cutaneous adnexal neoplasms. Cham: Springer International Publishing; pp. 27–33.
- 2167.** Requena L, Sangüeza O (2017). Cutaneous adnexal neoplasms. Cham: Springer International Publishing; pp. 179–95.
- 2168.** Requena L, Sangüeza O (2017). Cutaneous adnexal neoplasms. Cham: Springer International Publishing; pp. 139–44.
- 2169.** Requena L, Sangüeza O (2017). Cutaneous adnexal neoplasms. Cham: Springer International Publishing; pp. 107–26.
- 2170.** Requena L, Sangüeza OP (1995). Benign neoplasms with neural differentiation: a review. *Am J Dermatopathol.* 17(1):75–96. PMID:7695017
- 2171.** Requena L, Sarasa JL, Piqué E, Fariña MC, Olivares M, Martín L (1997). Clear-cell porocarcinoma: another cutaneous marker of diabetes mellitus. *Am J Dermatopathol.* 19(5):540–4. PMID:9335250
- 2172.** Requena L, Sithinamsuwan P, Fried I, Kaddu S, Schirren CG, Schärer L, et al. (2013). A benign cutaneous plexiform hybrid tumor of perineurioma and cellular neurothekeoma. *Am J Surg Pathol.* 37(6):845–52. PMID:23598966
- 2173.** Requena L, Yus ES, Simón P, del Río E (1996). Induction of cutaneous hyperplasias by altered stroma. *Am J Dermatopathol.* 18(3):248–68. PMID:8806959
- 2174.** Resende C, Araújo C, Vieira AP, Brito C (2013). Late onset Ito's nevus. *BMJ Case Rep.* 2013:bcr2013009746. PMID:23729678
- 2175.** Resnik KS, Kantor GR, DiLeonardo M (2005). Granular parakeratotic acanthoma. *Am J Dermatopathol.* 27(5):393–6. PMID:16148407
- 2176.** Reymond JL, Stoeber P, Amblard P (1980). Nevus lipomatosus cutaneus superficialis. An electron microscopic study of four cases. *J Cutan Pathol.* 7(5):295–301. PMID:7430482
- 2177.** Reza AM, Farahnaz GZ, Hamideh S, Alinaghi SA, Saeed Z, Mostafa H (2010). Incidence of Mongolian spots and its common sites at two university hospitals in Tehran, Iran. *Pediatr Dermatol.* 27(4):397–8. PMID:20653863
- 2178.** Rezk SA, Spagnolo DV, Brynes RK, Weiss LM (2008). Indeterminate cell tumor: a rare dendritic neoplasm. *Am J Surg Pathol.* 32(12):1868–76. PMID:18813122
- 2179.** Ribé A (2008). Melanocytic lesions of the genital area with attention given to atypical genital nevi. *J Cutan Pathol.* 35 Suppl 2:24–7. PMID:18976416
- 2180.** Ribero S, Osella-Abate S, Reyes-Garcia D, Glass D, Bataille V (2017). Effects of sex on naevus body distribution and melanoma risk in two melanoma case-control studies at different latitudes. *Br J Dermatol.* 176(4):1093–4. PMID:27478920
- 2181.** Riccardi VM (1981). Cutaneous manifestation of neurofibromatosis: cellular interaction, pigmentation, and mast cells. *Birth Defects Orig Artic Ser.* 17(2):129–45. PMID:6802200
- 2182.** Riccardi VM (1981). Von Recklinghausen neurofibromatosis. *N Engl J Med.* 305(27):1617–27. PMID:6796886
- 2183.** Riccardi VM, Margos VA (1981). Characteristics of skin and tumor fibroblasts from neurofibromatosis patients. *Adv Neurol.* 29:191–8. PMID:6798835
- 2184.** Richert B, Theunis A, Norrenberg S, André J (2013). Tangential excision of pigmented nail matrix lesions responsible for longitudinal melanonychia: evaluation of the technique on a series of 30 patients. *J Am Acad Dermatol.* 69(1):96–104. PMID:23453241
- 2185.** Richfield DF (1980). Tricholemmoma. True and false types. *Am J Dermatopathol.* 2(3):233–4. PMID:7258556
- 2186.** Riethdorf S, Neffen EF, Cviko A, Löning T, Crum CP, Riethdorf L (2004). p16INK4A expression as biomarker for HPV 16-related vulvar neoplasias. *Hum Pathol.* 35(12):1477–83. PMID:15619206
- 2187.** Rigaud C, Barkaoui MA, Thomas C, Bertrand Y, Lambilliotte A, Miron J, et al. (2016). Langerhans cell histiocytosis: therapeutic strategy and outcome in a 30-year nationwide cohort of 1478 patients under 18 years of age. *Br J Haematol.* 174(6):887–98. PMID:27273725
- 2188.** Riggi N, Cironi L, Provero P, Suvà ML, Kalouli K, Garcia-Echeverria C, et al. (2005). Development of Ewing's sarcoma from primary bone marrow-derived mesenchymal progenitor cells. *Cancer Res.* 65(24):11459–68. PMID:16357154
- 2189.** Riggi N, Suvà ML, Suvà D, Cironi L, Provero P, Tercier S, et al. (2008). EWS-FLI-1 expression triggers an Ewing's sarcoma initiation program in primary human mesenchymal stem cells. *Cancer Res.* 68(7):2176–85. PMID:18381423
- 2190.** Rijlaarsdam JU, van der Putte SC, Berti E, Kerl H, Rieger E, Toonstra J, et al. (1993). Cutaneous immunocytomas: a clinicopathologic study of 26 cases. *Histopathology.* 23(2):117–25. PMID:8406383
- 2191.** Rijlaarsdam U, Bakels V, van Oostveen JW, Gordijn RJ, Geerts ML, Meijer CJ, et al. (1992). Demonstration of clonal immunoglobulin gene rearrangements in cutaneous B-cell lymphomas and pseudo-B-cell lymphomas: differential diagnostic and pathogenetic aspects. *J Invest Dermatol.* 99(6):749–54. PMID:1469288
- 2192.** Ríos-Martin JJ, Delgado MD, Moreno-Ramírez D, García-Escudero A, González-Cámpora R (2007). Granular cell atypical fibroxanthoma: report of two cases. *Am J Dermatopathol.* 29(1):84–7. PMID:17284969
- 2193.** Ritterhouse LL, Barletta JA (2015). BRAF V600E mutation-specific antibody: a review. *Semin Diagn Pathol.* 32(5):400–8. PMID:25744437
- 2194.** Rizzi R, Curci P, Delia M, Rinaldi E, Chiefa A, Specchia G, et al. (2009). Spontaneous remission of "methotrexate-associated lymphoproliferative disorders" after discontinuation of immunosuppressive treatment for autoimmune disease. Review of the literature. *Med Oncol.* 26(1):1–9. PMID:18461290
- 2195.** Robak E, Robak T (2007). Skin lesions in chronic lymphocytic leukemia. *Leuk Lymphoma.* 48(5):855–65. PMID:17487727
- 2196.** Roberts ME, Riegert-Johnson DL, Thomas BC, Rumilla KM, Thomas CS, Heckman MG, et al. (2014). A clinical scoring system to identify patients with sebaceous neoplasms at risk for the Muir-Torre variant of Lynch syndrome. *Genet Med.* 16(9):711–6. PMID:24603434
- 2197.** Roberts ME, Riegert-Johnson DL, Thomas BC, Thomas CS, Heckman MG, Krishna M, et al. (2013). Screening for Muir-Torre syndrome using mismatch repair protein immunohistochemistry of sebaceous neoplasms. *J Genet Couns.* 22(3):393–405. PMID:23212176
- 2198.** Robertson AG, Shih J, Yau C, Gibb EA, Oba J, Mungall KL, et al. (2017). Integrative analysis identifies four molecular and clinical subsets in uveal melanoma. *Cancer Cell.* 32(2):204–20.e15. PMID:28810145
- 2199.** Robinson MR, Honda KS, Bordeaux JS (2011). Angiosarcoma in an obese woman with worsening lymphedema after weight-loss and skin-reduction surgeries. *J Am Acad Dermatol.* 65(2):448–9. PMID:21763582
- 2200.** Robles-Espinoza CD, Harland M, Ramsay AJ, Aoude LG, Quesada V, Ding Z, et al. (2014). POT1 loss-of-function variants predispose to familial melanoma. *Nat Genet.* 46(5):478–81. PMID:24686849
- 2201.** Robles-Espinoza CD, Roberts ND, Chen S, Leacy FP, Alexandrov LB, Pornputtpong N, et al. (2016). Germline MC1R status influences somatic mutation burden in melanoma. *Nat Commun.* 7:12064. PMID:27403562
- 2202.** Robson A, Assaf C, Bagot M, Burg G, Calonje E, Castillo C, et al. (2015). Aggressive epidermotropic cutaneous CD8+ lymphoma: a cutaneous lymphoma with distinct clinical and pathological features. Report of an EORTC Cutaneous Lymphoma Task Force Workshop. *Histopathology.* 67(4):425–41. PMID:24438036
- 2203.** Robson A, Greene J, Ansari N, Kim B, Seed PT, McKee PH, et al. (2001). Eccrine porocarcinoma (malignant eccrine poroma): a clinicopathologic study of 69 cases. *Am J Surg Pathol.* 25(6):710–20. PMID:11395548
- 2204.** Robson A, Lazar AJ, Ben Nagi J, Hanby A, Grayson W, Feinmesser M, et al. (2008). Primary cutaneous apocrine carcinoma: a clinicopathologic analysis of 24 cases. *Am J Surg Pathol.* 32(5):682–90. PMID:18347508
- 2205.** Robson A, Morley-Quante M, Hempel H, McKee PH, Calonje E (2003). Deep penetrating naevus: clinicopathological study of 31 cases with further delineation of histological features allowing distinction from other pigmented benign melanocytic lesions and melanoma. *Histopathology.* 43(6):529–37. PMID:14636253
- 2206.** Robson AM, Calonje E (2000). Cutaneous perineurioma: a poorly recognized tumour often misdiagnosed as epithelioid histiocytoma. *Histopathology.* 37(4):332–9. PMID:11012740
- 2207.** Roden AC, Hu X, Kip S, Parrilla Castellar ER, Rumilla KM, Vrana JA, et al. (2014). BRAF V600E expression in Langerhans cell histiocytosis: clinical and immunohistochemical study on 25 pulmonary and 54 extrapulmonary cases. *Am J Surg Pathol.* 38(4):548–51. PMID:24625419
- 2208.** Rodig SJ, Payne EG, Degar BA, Rollins B, Feldman AL, Jaffe ES, et al. (2008). Aggressive Langerhans cell histiocytosis following T-ALL: clonally related neoplasms with persistent expression of constitutively active NOTCH1. *Am J Hematol.* 83(2):116–21. PMID:17874453
- 2209.** Rodríguez Pinilla SM, Roncador G, Rodríguez-Peraltó JL, Mollejo M, García JF, Montes-Moreno S, et al. (2009). Primary cutaneous CD4+ small/medium-sized pleomorphic T-cell lymphoma expresses follicular T-cell markers. *Am J Surg Pathol.* 33(1):81–90. PMID:18987541
- 2210.** Rodríguez D, Cornejo KM, Sadow PM, Santiago-Lastra Y, Feldman AS (2015). Myoepithelioma tumor of the glans penis. *Can J Urol.* 22(3):7830–3. PMID:26068635
- 2211.** Rodríguez-Díaz E, Román C, Yuste M, Morán AG, Aramendi T (1998). Cutaneous lymphadenoma: an adnexal neoplasm with intralobular activated lymphoid cells. *Am J Dermatopathol.* 20(1):74–8. PMID:9504675
- 2212.** Rodríguez-Jurado R, Palacios C, Durán-McKinster C, Mercadillo P, Orozco-Covarubias L, Saez-de-Ocariz MdelM, et al. (2004). Medallion-like dermal dendrocyte hamartoma: a new clinically and histopathologically distinct lesion. *J Am Acad Dermatol.* 51(3):359–63. PMID:15337977
- 2213.** Rodríguez-Pinilla SM, Barrionuevo C, García J, Martínez MT, Pajares R, Montes-Moreno S, et al. (2010). EBV-associated cutaneous NK/T-cell lymphoma: review of a series of 14 cases from Peru in children and young adults. *Am J Surg Pathol.* 34(12):1773–82. PMID:21107082
- 2214.** Rodríguez-Pinilla SM, Ortiz-Romero PL, Monsalvez V, Tomás IE, Almagro M, Sevilla A, et al. (2013). TCR-γ expression in primary cutaneous T-cell lymphomas. *Am J Surg Pathol.* 37(3):375–84. PMID:23348211
- 2215.** Rogers A, Graves M, Toscano M, Davis L (2014). A unique cutaneous presentation of Burkitt lymphoma. *Am J Dermatopathol.* 36(12):997–1001. PMID:24562050
- 2216.** Rogers HW, Weinstock MA, Harris AR, Hinckley MR, Feldman SR, Fleischer AB, et al. (2010). Incidence estimate of non-melanoma skin cancer in the United States, 2006. *Arch Dermatol.* 146(3):283–7. PMID:20231499
- 2217.** Rogozinski TT, Jablonska S, Jarzabek-Chorzelska M (1988). Role of cell-mediated immunity in spontaneous regression of plane warts. *Int J Dermatol.* 27(5):322–6. PMID:2839432



2218. Rokuhara S, Saida T, Oguchi M, Matsumoto K, Murase S, Oguchi S (2004). Number of acquired melanocytic nevi in patients with melanoma and control subjects in Japan: nevus count is a significant risk factor for nonacral melanoma but not for acral melanoma. *J Am Acad Dermatol*. 50(5):695–700. PMID:15097952
2219. Roland CL, Wang WL, Lazar AJ, Torres KE (2016). Myxofibrosarcoma. *Surg Oncol Clin N Am*. 25(4):775–88. PMID:27591498
2220. Rolland S, Kokta V, Marcoux D (2009). Meyerson phenomenon in children: observation in five cases of congenital melanocytic nevi. *Pediatr Dermatol*. 26(3):292–7. PMID:19706090
2221. Romero-Pérez D, García-Bustinduy M, Cribier B (2017). Clinicopathologic study of 90 cases of trichofolliculoma. *J Eur Acad Dermatol Venereol*. 31(3):e141–2. PMID:27608202
2222. Ronger S, Touzet S, Ligeron C, Balme B, Viallard AM, Barrut D, et al. (2002). Dermoscopic examination of nail pigmentation. *Arch Dermatol*. 138(10):1327–33. PMID:12374538
2223. Rongioletti F, Ball RA, Marcus R, Barnhill RL (2000). Histopathological features of flexural melanocytic nevi: a study of 40 cases. *J Cutan Pathol*. 27(5):215–7. PMID:10847544
2224. Rongioletti F, Gambini C, Lerza R (1994). Glomeruloid hemangioma. A cutaneous marker of POEMS syndrome. *Am J Dermatopathol*. 16(2):175–8. PMID:8030771
2225. Rongioletti F, Margaritescu I, Smoller BR, editors (2015). Rare malignant skin tumours. Berlin: Springer.
2226. Rongioletti F, Urso C, Batolo D, Chimenti S, Fanti PA, Filotico R, et al. (2004). Melanocytic nevi of the breast: a histologic case-control study. *J Cutan Pathol*. 31(2):137–40. PMID:14690457
2227. Rooney MT, Nascimento AG, Tung RL (1994). Ossifying plexiform tumor. Report of a cutaneous ossifying lesion with histologic features of neurothekeoma. *Am J Dermatopathol*. 16(2):189–92. PMID:8030774
2228. Roos-Weil D, Dietrich S, Boumendil A, Polge E, Bron D, Carreras E, et al. (2013). Stem cell transplantation can provide durable disease control in blastic plasmacytoid dendritic cell neoplasm: a retrospective study from the European Group for Blood and Marrow Transplantation. *Blood*. 121(3):440–6. PMID:23203822
2229. Rosai J (1982). Angiolymphoid hyperplasia with eosinophilia of the skin. Its nosological position in the spectrum of histiocytoid hemangioma. *Am J Dermatopathol*. 4(2):175–84. PMID:6980603
2230. Rosati LA, Fratamico FC, Eusebi V (1986). Cellular neurothekeoma. *Appl Pathol*. 4(3):186–91. PMID:3297114
2231. Roschewski M, Wilson WH (2012). Lymphomatoid granulomatosis. *Cancer J*. 18(5):469–74. PMID:23006954
2232. Rosen PP (1983). Syringomatous adenoma of the nipple. *Am J Surg Pathol*. 7(8):739–45. PMID:6660349
2233. Rosenberg AS, Morgan MB (2001). Cutaneous indeterminate cell histiocytosis: a new spindle cell variant resembling dendritic cell sarcoma. *J Cutan Pathol*. 28(10):531–7. PMID:11737523
2234. Rosner IA, Argenta AE, Washington KM (2017). Unusual volar pulp location of glomus tumor. *Plast Reconstr Surg Glob Open*. 5(1):e1215. PMID:28203512
2235. Ross AS, Whalen FM, Elenitsas R, Xu X, Troxel AB, Schmeltz CD (2009). Diameter of involved nerves predicts outcomes in cutaneous squamous cell carcinoma with perineural invasion: an investigator-blinded retrospective cohort study. *Dermatol Surg*. 35(12):1859–66. PMID:19889009
2236. Ross HM, Lewis JJ, Woodruff JM, Brennan MF (1997). Epithelioid sarcoma: clinical behavior and prognostic factors of survival. *Ann Surg Oncol*. 4(6):491–5. PMID:9309338
2237. Rossi R, Mori M, Lotti T (2007). Actinic keratosis. *Int J Dermatol*. 46(9):895–904. PMID:17822489
2238. Rossi S, Orvioto E, Furlanetto A, Laurino L, Ninfo V, Dei Tos AP (2004). Utility of the immunohistochemical detection of FLI-1 expression in round cell and vascular neoplasm using a monoclonal antibody. *Mod Pathol*. 17(5):547–52. PMID:15001993
2239. Rossini AA, Cahill GF Jr, Jeanioz DA, Jeanioz RW (1975). Anomeric specificity of 3-O-methyl-D-glycopyranose against alloxan diabetes. *Science*. 188(4183):70–1. PMID:1167978
2240. Rossini M, Zanotti R, Bonadonna P, Artuso A, Caruso B, Schena D, et al. (2011). Bone mineral density, bone turnover markers and fractures in patients with indolent systemic mastocytosis. *Bone*. 49(4):880–5. PMID:21782049
2241. Rossini M, Zanotti R, Orsolini G, Tripi G, Viapiana O, Idolazzi L, et al. (2016). Prevalence, pathogenesis, and treatment options for mastocytosis-related osteoporosis. *Osteoporos Int*. 27(8):2411–21. PMID:26892042
2242. Rosso S, Zanetti R, Martinez C, Tormo MJ, Schraub S, Sancho-Garnier H, et al. (1996). The multicentre south European study 'Helios'. II: Different sun exposure patterns in the aetiology of basal cell and squamous cell carcinomas of the skin. *Br J Cancer*. 73(11):1447–54. PMID:8645596
2243. Roten SV, Bhawan J (1995). Isolated dyskeratotic acanthoma. A variant of isolated epidermolytic acanthoma. *Am J Dermatopathol*. 17(1):63–6. PMID:7695013
2244. Roth MJ, Medeiros LJ, Elenitoba-Johnson K, Kuchnio M, Jaffe ES, Stetler-Stevenson M (1995). Extramedullary myeloid cell tumors. An immunohistochemical study of 29 cases using routinely fixed and processed paraffin-embedded tissue sections. *Arch Pathol Lab Med*. 119(9):790–8. PMID:7668936
2245. Roth MJ, Stern JB, Hijazi Y, Haupt HM, Kumar A (1996). Oncocytic nodular hidradenoma. *Am J Dermatopathol*. 18(3):314–6. PMID:8806968
2246. Rothman IL (2014). Michelin tire baby syndrome: a review of the literature and a proposal for diagnostic criteria with adoption of the name circumferential skin folds syndrome. *Pediatr Dermatol*. 31(6):659–63. PMID:25424205
2247. Rouhani P, Fletcher CD, Devesa SS, Toro JR (2008). Cutaneous soft tissue sarcoma incidence patterns in the U.S.: an analysis of 12,114 cases. *Cancer*. 113(3):616–27. PMID:18618615
2248. Rouzbahman M, Kamel-Reid S, Al Habeeb A, Butler M, Dodge J, Laframboise S, et al. (2015). Malignant melanoma of vulva and vagina: a histomorphological review and mutation analysis—a single-center study. *J Low Genit Tract Dis*. 19(4):350–3. PMID:26225944
2249. Royo C, Salaverría I, Hartmann EM, Rosenwald A, Campo E, Beà S (2011). The complex landscape of genetic alterations in mantle cell lymphoma. *Semin Cancer Biol*. 21(5):322–34. PMID:21945515
2250. Rozza-de-Menezes RE, Andrade RM, Israel MS, Gonçalves Cunha KS (2013). Intraoral nerve sheath myxoma: case report and systematic review of the literature. *Head Neck*. 35(12):E397–404. PMID:23616426
2251. Ruben BS (2010). Pigmented lesions of the nail unit: clinical and histopathologic features. *Semin Cutan Med Surg*. 29(3):148–58. PMID:21051008
2252. Rubin AI, Chen EH, Ratner D (2005). Basal-cell carcinoma. *N Engl J Med*. 353(21):2262–9. PMID:16306523
2253. Rubin AI, Yassaee M, Johnson W, Elenitsas R, Zaladonis J Jr, Seykora JT (2009). Multiple cutaneous sclerosing jerineuromas: an extensive presentation with involvement of the bilateral upper extremities. *J Cutan Pathol*. 36 Suppl 1:60–5. PMID:19187114
2254. Rüdiger T, Weisenburger DD, Anderson JR, Armitage JO, Diebold J, MacLennan KA, et al. (2002). Peripheral T-cell lymphoma (excluding anaplastic large-cell lymphoma): results from the Non-Hodgkin's Lymphoma Classification Project. *Ann Oncol*. 13(1):140–9. PMID:11863096
2255. Ruëff F, Przybilla B, Biló MB, Müller U, Scheipl F, Aberer W, et al. (2009). Predictors of severe systemic anaphylactic reactions in patients with Hymenoptera venom allergy: importance of baseline serum tryptase—a study of the European Academy of Allergy and Clinical Immunology Interest Group on Insect Venom Hypersensitivity. *J Allergy Clin Immunol*. 124(5):1047–54. PMID:19895993
2256. Ruhoy SM, Prieto VG, Eliason SL, Grichnik JM, Burchette JL Jr, Shea CR (2000). Malignant melanoma with paradoxical maturation. *Am J Surg Pathol*. 24(12):1600–14. PMID:11117780
2257. Ruiz-Villaverde R, Sanchez-Cano D, Martinez-Peinado CM, Galan-Gutierrez M (2016). Verrucous tumor mimicking squamous cell carcinoma in immunocompetent patient. *Dermatol Online J*. 22(2). PMID:27267196
2258. Rulon DB, Helwig EB (1973). Multiple sebaceous neoplasms of the skin: an association with multiple visceral carcinomas, especially of the colon. *Am J Clin Pathol*. 60(6):745–52. PMID:4758274
2259. Rulon DB, Helwig EB (1974). Cutaneous sebaceous neoplasms. *Cancer*. 33(1):82–102. PMID:4129561
2260. Arumi-Uria M, McNutt NS, Finnerty B (2003). Grading of atypia in nevi: correlation with melanoma risk. *Mod Pathol*. 16(8):764–71. PMID:12920220
2261. Russell B, Pridie RB (1967). Lymphoedema of scrotum—scrotoectomy—lymphangiectasia of anogenital region—? Congenital lymphatic deficiency and past filariasis. *Br J Dermatol*. 79(5):298–9. PMID:6025577
2262. Rutkowski P, Van Glabbeke M, Rankin CJ, Ruka W, Rubin BP, Debiec-Rychter M, et al. (2010). Imatinib mesylate in advanced dermatofibrosarcoma protuberans: pooled analysis of two phase II clinical trials. *J Clin Oncol*. 28(10):1772–9. PMID:20194851
2263. Rütten A, Burgdorf W, Hügel H, Kutzner H, Hosseiny-Malayeri HR, Friedl W, et al. (1999). Cystic sebaceous tumors as marker lesions for the Muir-Torre syndrome: a histopathologic and molecular genetic study. *Am J Dermatopathol*. 21(5):405–13. PMID:10535567
2264. Rütten A, Kutzner H, Mentzel T, Hantschke M, Eckert F, Angulo J, et al. (2009). Primary cutaneous cribriform apocrine carcinoma: a clinicopathologic and immunohistochemical study of 26 cases of an under-recognized cutaneous adnexal neoplasm. *J Am Acad Dermatol*. 61(4):644–51. PMID:19751882
2265. Rütten A, Requena L (2008). Sweat gland carcinomas of the skin. *Hautarzt*. 59(2):151–60. [German] PMID:18214401
2266. Rutter JL, Bromley CM, Goldstein AM, Elder DE, Holly EA, Guery D 4th, et al. (2004). Heterogeneity of risk for melanoma and pancreatic and digestive malignancies: a melanoma case-control study. *Cancer*. 101(12):2809–16. PMID:15529312
2267. Rydholm A, Gustafson P, Rööser B, Willén H, Berg NO (1991). Subcutaneous sarcoma. A population-based study of 129 patients. *J Bone Joint Surg Br*. 73(4):562–7. PMID:2071656
2268. Saad N, Skowron F, Dalle S, Forestier JY, Balme B, Thomas L (2006). Multiple adult xanthogranuloma: case report and literature review. *Dermatology*. 212(1):73–6. PMID:16319479
2269. Sachdeva MP, Goldblum JR, Rubin BP, Billings SD (2009). Low-fat and fat-free pleomorphic lipomas: a diagnostic challenge. *Am J Dermatopathol*. 31(5):423–6. PMID:19542910
2270. Sachdeva S (2011). Ulcerated cutaneous epithelioid hemangioendothelioma in an 8-month old infant. *Dermatol Reports*. 3(2):e17. PMID:25386269
2271. Sánchez Yus E, Requena L, Simon F, de Rio E (1995). Sebomatricoma: a unifying term that encompasses all benign neoplasms with sebaceous differentiation. *Am J Dermatopathol*. 17(3):213–21. PMID:8599428
2272. Sadow PM, Priolo C, Nanni S, Karth FA, Duquette M, Martinelli R, et al. (2014). Role of BRAFV600E in the first preclinical model of multifocal infiltrating myopericytoma development and microenvironment. *J Natl Cancer Inst*. 106(8):dju182. PMID:25063326
2273. Sáez Rodríguez M, Rodríguez-Martín R, Camarero A, Sidro M, Rodríguez F, Cabrera R, et al. (2005). Naevus lipomatosus cutaneous superficialis on the nose. *J Eur Acad Dermatol Venereol*. 19(6):751–2. PMID:16258886
2274. Sagebiel RW (1993). Melanocytic nevus histologic association with primary cutaneous melanoma of superficial spreading and nodular types: effect of tumor thickness. *J Invest Dermatol*. 100(3):322S–5S. PMID:8440294
2275. Sagebiel RW, Chinn EK, Egbert SK (1984). Pigmented spindle cell nevus. Clinical and histologic review of 90 cases. *Am J Surg Pathol*. 8(9):645–53. PMID:6476194
2276. Saggini A, Gula A, Argeny Z, Foa-Pacheco R, Lissia A, Magaña M, et al. (2010). A variant of lymphomatoid papulosis simulating primary cutaneous aggressive epidermotropic CD8+ cytotoxic T-cell lymphoma. Description of 9 cases. *Am J Surg Pathol*. 34(9):1169–75. PMID:20661014
2277. Saha KC (2003). Diagnosis of amelanosis. *J Environ Sci Health A Tox Hazard Subst Environ Eng*. 38(1):255–72. PMID:12555011
2278. Sahn F, Capper D, Prausser H, Wenz J, Stenzinger A, Lantschika F, et al. (2012). BRAFV600E mutant protein is expressed in cells of variable maturation in Langerhans cell histiocytosis. *Blood*. 120(12):2525–9. PMID:22859608
2279. Saida T, Koga H, Ubara H (2011). New points in dermoscopic differentiation between early acral melanoma and acral nevus. *J Dermatol*. 38(1):25–34. PMID:21175752
2280. Saida T, Miyazaki A, Oguchi S, Yamazaki Y, Yamazaki Y, Murase S, et al. (2004). Significance of dermoscopic patterns in detecting malignant melanoma on acral volar skin: results of a multicenter study in Japan. *Arch Dermatol*. 140(10):1233–8. PMID:15452186
2281. Saijo S, Hara M, Kuramoto Y, Tagami H (1991). Generalized eruptive histiocytosis: report of a variant case showing the presence of dermal indeterminate cells. *J Cutan Pathol*. 18(2):134–6. PMID:1856341
2282. Sakamoto A, Oda Y, Itakura E, Goto Y, Nikaido O, Iwamoto Y, et al. (2001). Immunohistochemical expression of ultraviolet photoproducts and p53 mutation analysis in atypical fibroxanthomas and superficial malignant fibrous histiocytomas. *Mod Pathol*. 14(6):581–8. PMID:11406662
2283. Sakamoto F, Ito M, Sato S, Sato T (1985). Basal cell tumor with apocrine differentiation: apocrine epithelioma. *J Am Acad Dermatol*. 13(2 Pt 2):355–63. PMID:4021160
2284. Sakharpe A, Lahat G, Güllüoğlu T, Liu P, Bolshakov S, Nguyen T, et al. (2011).



- Epithelioid sarcoma and unclassified sarcoma with epithelioid features: clinicopathological variables, molecular markers, and a new experimental model. *Oncologist*. 16(4):512–22. PMID:21357725
- 2285.** Saldanha G, Fletcher A, Slater DN (2003). Basal cell carcinoma: a dermatopathological and molecular biological update. *Br J Dermatol*. 148(2):195–202. PMID:12588368
- 2286.** Salgado CM, Basu D, Nikiforova M, Hamilton RL, Gehris R, Jakacki R, et al. (2015). Amplification of mutated NRAS leading to congenital melanoma in neurocutaneous melanocytosis. *Melanoma Res*. 25(5):453–60. PMID:26266759
- 2287.** Salgado R, Lombart B, M Pujol R, Fernández-Serra A, Sanmartín O, Toll A, et al. (2011). Molecular diagnosis of dermatofibrosarcoma protuberans: a comparison between reverse transcriptase-polymerase chain reaction and fluorescence in situ hybridization methodologies. *Genes Chromosomes Cancer*. 50(7):510–7. PMID:21484928
- 2288.** Salhany KE, Macon WR, Choi JK, Elenitsas R, Lessin SR, Felgar RE, et al. (1998). Subcutaneous panniculitis-like T-cell lymphoma: clinicopathologic, immunophenotypic, and genotypic analysis of alpha/beta and gamma/delta subtypes. *Am J Surg Pathol*. 22(7):881–93. PMID:9669350
- 2289.** Salman A, Yucelten AD, Seckin D, Ergun T, Demircay Z (2015). Cutaneous leishmaniasis mimicking verrucous carcinoma: a case with an unusual clinical course. *Indian J Dermatol Venereol Leprol*. 81(4):392–4. PMID:25994897
- 2290.** Salomao DR, Nascimento AG (1997). Plexiform fibrohistiocytic tumor with systemic metastases: a case report. *Am J Surg Pathol*. 21(4):469–76. PMID:9130995
- 2291.** Salpea P, Horvath A, London E, Fauz FR, Vetro A, Levy I, et al. (2014). Deletions of the PRKAR1A locus at 17q24.2-q24.3 in Carney complex: genotype-phenotype correlations and implications for genetic testing. *J Clin Endocrinol Metab*. 99(1):E183–8. PMID:24170103
- 2292.** Samadian M, Nejad AM, Bakhtevari MH, Sabeti S, Sharifi G, Jabbari R, et al. (2015). Primary meningeal melanocytoma in the left temporal lobe associated with nevus Ota: a case report and review of the literature. *World Neurosurg*. 84(2):567–73. PMID:25862111
- 2293.** Samaha H, Dumontet C, Ketterer N, Moullet I, Thieblemont C, Bouafia F, et al. (1998). Mantle cell lymphoma: a retrospective study of 121 cases. *Leukemia*. 12(8):1281–7. PMID:9697885
- 2294.** Samara WA, Khoo CT, Say EA, Saktanase J, Eagle RC Jr, Shields JA, et al. (2015). Juvenile xanthogranuloma involving the eye and ocular adnexa: tumor control, visual outcomes, and globe salvage in 30 patients. *Ophthalmology*. 122(10):2130–8. PMID:26189188
- 2295.** Samols MA, Su A, Ra S, Cappel MA, Louissant A Jr, Knudson RA, et al. (2014). Intralymphatic cutaneous anaplastic large cell lymphoma/lymphomatoid papulosis: expanding the spectrum of CD30-positive lymphoproliferative disorders. *Am J Surg Pathol*. 38(9):1203–11. PMID:24805854
- 2296.** Sanchez DF, Rodriguez IM, Piris A, Cañete S, Lezcano C, Velazquez EF, et al. (2016). Clear cell carcinoma of the penis: an HPV-related variant of squamous cell carcinoma: a report of 3 cases. *Am J Surg Pathol*. 40(7):917–22. PMID:26848799
- 2297.** Sanchez DF, Soares F, Alvarado-Cabrero I, Cañete S, Fernández-Nestosa MJ, Rodríguez IM, et al. (2015). Pathological factors, behavior, and histological prognostic risk groups in subtypes of penile squamous cell carcinomas (SCC). *Semin Diagn Pathol*. 32(3):222–31. PMID:25677263
- 2298.** Sánchez Yus E, Aguilar A, Urbina F, Cristóbal MC, Vázquez F, Requena L (1988). Malignant cutaneous mixed tumor. A new case with unusual clinical features. *Am J Dermatopathol*. 10(4):330–4. PMID:2843063
- 2299.** Sandell RF, Carter JM, Folpe AL (2015). Solitary (juvenile) xanthogranuloma: a comprehensive immunohistochemical study emphasizing recently developed markers of histiocytic lineage. *Hum Pathol*. 46(9):1390–7. PMID:26220162
- 2300.** Sander CA, Flaig MJ, Jaffe ES (2001). Cutaneous manifestations of lymphoma: a clinical guide based on the WHO classification. *Clin Lymphoma*. 2(2):86–102. PMID:11707848
- 2301.** Sander CA, Medeiros LJ, Abruzzo LV, Horak ID, Jaffe ES (1991). Lymphoblastic lymphoma presenting in cutaneous sites. A clinicopathologic analysis of six cases. *J Am Acad Dermatol*. 25(6 Pt 1):1023–31. PMID:1810981
- 2302.** Sandoval M, Carrasco-Zuber J, Gonzalez S (2015). Extradigital symplastic glomus tumor of the hand: report of 2 cases and literature review. *Am J Dermatopathol*. 37(7):560–2. PMID:25051107
- 2303.** Sanfilippo R, Miceli R, Grosso F, Fiore M, Puma E, Pennacchioli E, et al. (2011). Myxofibrosarcoma: prognostic factors and survival in a series of patients treated at a single institution. *Ann Surg Oncol*. 18(3):720–5. PMID:20878245
- 2304.** Sangle NA, Schmidt RL, Patel JL, Medeiros LJ, Agarwal AM, Perkins SL, et al. (2014). Optimized immunohistochemical panel to differentiate myeloid sarcoma from blastic plasmacytoid dendritic cell neoplasm. *Mod Pathol*. 27(8):1137–43. PMID:24390220
- 2305.** Sanguenza M, Plaza JA (2013). Hydroa vacciniforme-like cutaneous T-cell lymphoma: clinicopathologic and immunohistochemical study of 12 cases. *J Am Acad Dermatol*. 69(1):112–9. PMID:23541598
- 2306.** Sanguenza OP, Requena L (1994). Neurofollicular hamartoma. A new histogenetic interpretation. *Am J Dermatopathol*. 16(2):150–4. PMID:8030767
- 2307.** Sangüeza OP, Requena L (1998). Neoplasms with neural differentiation: a review. Part II: Malignant neoplasms. *Am J Dermatopathol*. 20(1):89–102. PMID:9504678
- 2308.** Sangüeza OP, Walsh SN, Sheehan DJ, Orland AF, Lombart B, Requena L (2008). Cutaneous epithelioid angiomatous nodule: a case series and proposed classification. *Am J Dermatopathol*. 30(1):16–20. PMID:18212538
- 2309.** Santa Cruz DJ, Barr RJ, Headington JT (1991). Cutaneous lymphadenoma. *Am J Surg Pathol*. 15(2):101–10. PMID:1989457
- 2310.** Santa Cruz DJ, Prioleau PG (1984). Adnexal carcinomas of the skin. *J Cutan Pathol*. 11(5):450–6. PMID:6096426
- 2311.** Santos-Juanes J, Galache Osuna C, Sánchez Del Río J, Soto de Delás J, Requena L (2005). Apocrine hidrocystoma on the tip of a finger. *Br J Dermatol*. 152(2):379–80. PMID:15727664
- 2312.** Santucci M, Pimpinelli N, Arganini L (1991). Primary cutaneous B-cell lymphoma: a unique type of low-grade lymphoma. Clinicopathologic and immunologic study of 83 cases. *Cancer*. 67(9):2311–26. PMID:2013039
- 2313.** Santucci M, Pimpinelli N, Massi D, Kadin ME, Meijer CJ, Müller-Hermelink HK, et al. (2003). Cytotoxic/natural killer cell cutaneous lymphomas. Report of EORTC Cutaneous Lymphoma Task Force Workshop. *Cancer*. 97(3):610–27. PMID:12548603
- 2314.** Sági Z, Papp G, Szendrői M, Pápai Z, Plótar V, Krausz T, et al. (2016). Epigenetic regulation of SMARCB1 by miR-206, -381 and -671-5p is evident in a variety of SMARCB1 immunonegative soft tissue sarcomas, while miR-765 appears specific for epithelioid sarcoma. A miRNA study of 223 soft tissue sarcomas. *Genes Chromosomes Cancer*. 55(10):786–802. PMID:27223121
- 2315.** Sapienza MR, Fuligni F, Agostinelli C, Tripodo C, Righi S, Laginestra MA, et al. (2014). Molecular profiling of blastic plasmacytoid dendritic cell neoplasm reveals a unique pattern and suggests selective sensitivity to NF-κB pathway inhibition. *Leukemia*. 28(8):1606–16. PMID:24504027
- 2316.** Sarangarajan R, Dehner LP (1999). Cranial and extracranial fasciitis of childhood: a clinicopathologic and immunohistochemical study. *Hum Pathol*. 30(1):87–92. PMID:9923933
- 2317.** Sargen MR, Kanetsky PA, Newton-Bishop J, Hayward NK, Mann GJ, Gruis NA, et al. (2015). Histologic features of melanoma associated with CDKN2A genotype. *J Am Acad Dermatol*. 72(3):496–507.e7. PMID:25592620
- 2318.** Sarin KY, McNiff JM, Kwok S, Kim J, Khavari PA (2014). Activating HRAS mutation in nevus spilus. *J Invest Dermatol*. 134(6):1766–8. PMID:24390138
- 2319.** Sariya D, Ruth K, Adams-McDonnell R, Cusack C, Xu X, Elenitsas R, et al. (2007). Clinicopathologic correlation of cutaneous metastases: experience from a cancer center. *Arch Dermatol*. 143(5):613–20. PMID:17515511
- 2320.** Sarkozy A, Carta C, Moretti S, Zampino G, Digilio MC, Pantaleoni F, et al. (2009). Germline BRAF mutations in Noonan, LEOPARD, and cardiofaciocutaneous syndromes: molecular diversity and associated phenotypic spectrum. *Hum Mutat*. 30(4):695–702. PMID:19206169
- 2321.** Sass U, Kolivras A, Richert B, Moulounguet I, Goettmann-Bonvallot S, Anseeuw M, et al. (2009). Acantholytic tumor of the nail: acantholytic dyskeratotic acanthoma. *J Cutan Pathol*. 36(12):1308–11. PMID:19602069
- 2322.** Satake M, Iwanaga M, Sagara Y, Watanabe T, Okuma K, Hamaguchi I (2016). Incidence of human T-lymphotropic virus 1 infection in adolescent and adult blood donors in Japan: a nationwide retrospective cohort analysis. *Lancet Infect Dis*. 16(11):1246–54. PMID:27567105
- 2323.** Sau P, Graham JH, Helwig EB (1993). Pigmented spindle cell nevus: a clinicopathologic analysis of ninety-five cases. *J Am Acad Dermatol*. 28(4):565–71. PMID:8463457
- 2324.** Sau P, Graham JH, Helwig EB (1995). Proliferating epithelial cysts. Clinicopathologic analysis of 96 cases. *J Cutan Pathol*. 22(5):394–406. PMID:8594071
- 2325.** Sau P, Lupton GP, Graham JH (1993). Pilomatric carcinoma. *Cancer*. 71(8):2491–8. PMID:8453573
- 2325A.** Sausville EA, Worsham GF, Matthews MJ, Makuch RW, Fischmann AB, Schechter GP, et al. (1985). Histologic assessment of lymph nodes in mycosis fungoides/Sézary syndrome (cutaneous T-cell lymphoma): clinical correlations and prognostic import of a new classification system. *Hum Pathol*. 16(11):1098–109. PMID:3876976
- 2326.** Savage KJ, Harris NL, Vose JM, Ullrich F, Jaffe ES, Connors JM, et al. (2008). ALK-anaplastic large-cell lymphoma is clinically and immunophenotypically different from both ALK+ ALCL and peripheral T-cell lymphoma, not otherwise specified: report from the International Peripheral T-Cell Lymphoma Project. *Blood*. 111(12):5496–504. PMID:18385450
- 2327.** Savoia P, Fava P, Bernengo MG (2011). Cutaneous metastases from malignant melanoma: clinical features and new therapeutic perspectives. In: Morton R, editor. *Treatment of metastatic melanoma*. Rijeka: InTech; pp. 3–14.
- 2328.** Savoia P, Fava P, Nardò T, Osella-Abate S, Quaglino P, Bernengo MG (2009). Skin metastases of malignant melanoma: a clinical and prognostic survey. *Melanoma Res*. 19(5):321–6. PMID:19641475
- 2329.** Sawada Y (1986). Solitary nevus lipomatous superficialis on the forehead. *Ann Plast Surg*. 16(4):356–8. PMID:3273051
- 2330.** Sawada Y, Hino R, Hama K, Ohmori S, Fueki H, Yamada S, et al. (2011). Type of skin eruption is an independent prognostic indicator for adult T-cell leukemia/lymphoma. *Blood*. 117(15):3961–7. PMID:21325600
- 2331.** Scarisbrick JJ, Prince HM, Vermeer MH, Quaglino P, Horwitz S, Porcu P, et al. (2015). Cutaneous Lymphoma International Consortium study of outcome in advanced stages of mycosis fungoides and Sézary syndrome: effect of specific prognostic markers on survival and development of a prognostic model. *J Clin Oncol*. 33(32):3766–73. PMID:26438120
- 2332.** Scarisbrick JJ, Woolford AJ, Calonje E, Photiou A, Ferreira S, Orchard G, et al. (2002). Frequent abnormalities of the p15 and p16 genes in mycosis fungoides and Sézary syndrome. *J Invest Dermatol*. 118(3):493–9. PMID:11874489
- 2333.** Scarisbrick JJ, Woolford AJ, Russell-Jones R, Whittaker SJ (2000). Loss of heterozygosity on 10q and microsatellite instability in advanced stages of primary cutaneous T-cell lymphoma and possible association with homozygous deletion of PTEN. *Blood*. 95(9):2937–42. PMID:10779442
- 2334.** Schacht V, Ramirez MI, Hong YK, Hirakawa S, Feng D, Harvey N, et al. (2003). T1alpha/podoplanin deficiency disrupts normal lymphatic vasculature formation and causes lymphedema. *EMBO J*. 22(14):3546–56. PMID:12853470
- 2335.** Schaefer IM, Fletcher CD, Hornick JL (2016). Loss of H3K27 trimethylation distinguishes malignant peripheral nerve sheath tumors from histologic mimics. *Mod Pathol*. 29(1):4–13. PMID:26585554
- 2336.** Schäfer T, Merkl J, Klemm E, Wichmann HE, Ring J (2006). The epidemiology of nevi and signs of skin aging in the adult general population: results of the KORA-survey 2000. *J Invest Dermatol*. 126(7):1490–6. PMID:16645597
- 2337.** Schaffer JV, Orlov SJ, Lazova R, Bologna JL (2001). Speckled lentiginous nevus—classic congenital melanocytic nevus hybrid not the result of “collision”. *Arch Dermatol*. 137(12):1655. PMID:11735724
- 2338.** Schaffer JV, Orlov SJ, Lazova R, Bologna JL (2001). Speckled lentiginous nevus: within the spectrum of congenital melanocytic nevi. *Arch Dermatol*. 137(2):172–8. PMID:11176689
- 2339.** Schaller J, Rytina E, Rütten A, Hendricks C, Ha T, Requena L (2010). Sweat duct proliferation associated with aggregates of elastic tissue and atrophodermia vermiculata: a simulator of microcystic adnexal carcinoma. Report of two cases. *J Cutan Pathol*. 37(9):1002–9. PMID:20175822
- 2339A.** Scheffer E, Meijer CJ, Van Vloten WA (1980). Dermatopathic lymphadenopathy and lymph node involvement in mycosis fungoides. *Cancer*. 45(1):137–48. PMID:7350998
- 2340.** Scheffer E, Meijer CJ, van Vloten WA, Willemze R (1986). A histologic study of lymph nodes from patients with the Sézary syndrome. *Cancer*. 57(12):2375–80. PMID:2938724
- 2341.** Scheithauer BW, Woodruff JM, Earlandson RA (1999). Tumors of the peripheral nervous system. In: AFIP atlas of tumor pathology. Series 3, Fascicle 24. Washington, DC: Armed Forces Institute of Pathology; pp. 7–27.
- 2342.** Schepel JA, Wille J, Seldenrijk CA, van Ramshorst B (1998). Elastofibroma: a familial occurrence. *Eur J Surg*. 164(7):557–8. PMID:9696981



2343. Schepis C, Siragusa M, Palazzo R, Batolo D, Romano C (1994). Perforating milium-like idiopathic calcinosis cutis and periorbital syringomas in a girl with Down syndrome. *Pediatr Dermatol*. 11(3):258–60. PMID:7971561
2344. Schiller PI, Itin PH (1996). Angiokeratomas: an update. *Dermatology*. 193(4):275–82. PMID:8993949
2345. Schmid U, Eckert F, Griesser H, Steinke C, Cogliatti SB, Kaudewitz P, et al. (1995). Cutaneous follicular lymphoid hyperplasia with monotypic plasma cells. A clinicopathologic study of 18 patients. *Am J Surg Pathol*. 19(1):12–20. PMID:7802133
2346. Schmitt D, Ortonne JP, Haftek M, Thivolet J (1981). Halo nevus and halo melanoma: immunocytochemical study of the inflammatory cell infiltrate. In: Ackerman AB, editor. *Pathology of malignant melanoma*. New York: Masson; pp. 333–40.
2347. Schmoekel C, Burg G (1988). Congenital spiradenoma. *Am J Dermatopathol*. 10(6):541–5. PMID:2851273
2348. Schmoekel C, Castro CE, Braun-Falco O (1985). Nevoid malignant melanoma. *Arch Dermatol Res*. 277(5):362–9. PMID:4026378
2349. Schön MP, Heisterkamp T, Ahrens C, Megahed M, Ruzicka T (2000). Preterminal verrucous carcinoma. *Hautarzt*. 51(10):766–9. [German] PMID:11153364
2350. Schoolmeester JK, Lastra RR (2015). Granular cell tumors overexpress TFE3 without corollary gene rearrangement. *Hum Pathol*. 46(8):1242–3. PMID:26009539
2351. Schrader AM, Chung YY, Jansen PM, Zsuzhai K, Bastidas Torres AN, Tensen CP, et al. (2016). No TP63 rearrangements in a selected group of primary cutaneous CD30+ lymphoproliferative disorders with aggressive clinical course. *Blood*. 128(1):141–3. PMID:27146432
- 2351A. Schrader AMR, Jansen PM, Willemze R, Vermeer MH, Cleton-Jansen AM, Somers SF, et al. (2018). High prevalence of MYD88 and CD79B mutations in intravascular large B-cell lymphoma. *Blood*. 131(18):2086–9. PMID:29514783
2352. Schrader KA, Nelson TN, De Luca A, Huntsman DG, McGillivray BC (2009). Multiple granular cell tumors are an associated feature of LEOPARD syndrome caused by mutation in PTPN11. *Clin Genet*. 75(2):185–9. PMID:19054014
2353. Schreuder MI, Hoefnagel JJ, Jansen PM, van Krieken JH, Willemze R, Hebeda KM (2005). FISH analysis of MALT lymphoma-specific translocations and aneuploidy in primary cutaneous marginal zone lymphoma. *J Pathol*. 205(3):302–10. PMID:15682432
2354. Schulman JM, Oh DH, Sanborn JZ, Pincus L, McCalmont TH, Cho RJ (2016). Multiple hereditary infundibulocystic basal cell carcinoma syndrome associated with a germline SUFU mutation. *JAMA Dermatol*. 152(3):323–7. PMID:26677003
2355. Schulz T, Hartschuh W (1997). Merkel cells are absent in basal cell carcinomas but frequently found in trichoblastomas. An immunohistochemical study. *J Cutan Pathol*. 24(1):14–24. PMID:9027628
2356. Schwartz LB, Metcalfe DD, Miller JS, Earl H, Sullivan T (1987). Tryptase levels as an indicator of mast-cell activation in systemic anaphylaxis and mastocytosis. *N Engl J Med*. 316(26):1622–6. PMID:3295549
2357. Schwartz RA (1995). Verrucous carcinoma of the skin and mucosa. *J Am Acad Dermatol*. 32(1):1–21. PMID:7822496
2358. Schwartz RA (1997). Arsenic and the skin. *Int J Dermatol*. 36(4):241–50. PMID:9169318
2359. Schwartz RA, Bridges TM, Butani AK, Ehrlich A (2008). Actinic keratosis: an occupational and environmental disorder. *J Eur Acad Dermatol Venereol*. 22(5):606–15. PMID:18410618
2360. Schwartz RA, Torre DP (1995). The Muir-Torre syndrome: a 25-year retrospective. *J Am Acad Dermatol*. 33(1):90–104. PMID:7601953
2361. Schwarz Y, Pitaro J, Waissbluth S, Daniel SJ (2016). Review of pediatric head and neck pilomatricoma. *Int J Pediatr Otorhinolaryngol*. 85:148–53. PMID:27240514
2362. Schweitzer WJ, Goldin HM, Bronson DM, Brody PE (1989). Ulcerated tumor on the scalp. Clear-cell hidradenoma. *Arch Dermatol*. 125(7):985–6. PMID:2545168
2363. Sciort R, Bekkaert J (2001). Spindle cell lipoma with extramedullary haematopoiesis. *Histopathology*. 39(2):215–6. PMID:11493343
2364. Scolyer RA, Thompson JF (2005). Desmoplastic melanoma: a heterogeneous entity in which subclassification as “pure” or “mixed” may have important prognostic significance. *Ann Surg Oncol*. 12(3):197–9. PMID:15827808
2365. Scolyer RA, Thompson JF, Mahar A, Murali R (2015). Metastatic tumors involving the skin. In: Busam KJ, editor. *Dermatopathology*. 2nd ed. London: Elsevier.
2366. Scolyer RA, Zhuang L, Palmer AA, Thompson JF, McCarthy SW (2004). Combined naevus: a benign lesion frequently misdiagnosed both clinically and pathologically as melanoma. *Pathology*. 36(5):419–27. PMID:15370111
2367. Scott A, Metcalf JS (1988). Cutaneous malignant mixed tumor. Report of a case and review of the literature. *Am J Dermatopathol*. 10(4):335–42. PMID:2458054
2368. Seab JA, Graham JH (1987). Primary cutaneous adenoid cystic carcinoma. *J Am Acad Dermatol*. 17(1):113–8. PMID:3038974
2369. Seab JA Jr, Graham JH, Helwig EB (1989). Deep penetrating nevus. *Am J Surg Pathol*. 13(1):39–44. PMID:2909196
2370. Seçkin D, Barete S, Euvrard S, Francès C, Kanitakis J, Geusau A, et al. (2013). Primary cutaneous posttransplant lymphoproliferative disorders in solid organ transplant recipients: a multicenter European case series. *Am J Transplant*. 13(8):2146–53. PMID:23718915
2371. Seetharamu N, Ott PA, Pavlick AC (2010). Mucosal melanomas: a case-based review of the literature. *Oncologist*. 15(7):772–81. PMID:20571149
2372. Segal NH, Pavlidis P, Noble WS, Antonescu CR, Viale A, Wesley UV, et al. (2003). Classification of clear-cell sarcoma as a subtype of melanoma by genomic profiling. *J Clin Oncol*. 21(9):1775–81. PMID:12721254
2373. Seifert HW (1981). Ultrastructural investigation on cutaneous angioleiomyoma. *Arch Dermatol Res*. 271(1):91–9. PMID:7294885
2374. Seiji M, Takematsu H, Hosokawa M, Obata M, Tomita Y, Kato T, et al. (1983). Acral melanoma in Japan. *J Invest Dermatol*. 80 Suppl:56s–60s. PMID:6343519
2375. Sellam A, Desjardins L, Barnhill R, Plancher C, Asselain B, Savignoni A, et al. (2016). Fine needle aspiration biopsy in uveal melanoma: technique, complications, and outcomes. *Am J Ophthalmol*. 162:28–34.e1. PMID:26556006
2376. Sellheyer K, Nelson P, Kutzner H (2012). Fibroepithelioma of Pinkus is a true basal cell carcinoma developing in association with a newly identified tumour-specific type of epidermal hyperplasia. *Br J Dermatol*. 166(1):88–97. PMID:21910710
2377. Sellheyer K, Nelson P, Kutzner H, Patel RM (2013). The immunohistochemical differential diagnosis of microcystic adnexal carcinoma, desmoplastic trichoepithelioma and morpheiform basal cell carcinoma using BerEP4 and stem cell markers. *J Cutan Pathol*. 40(4):363–70. PMID:23398472
2378. Selmi C, Greenspan A, Huntley A, Gershwin ME (2015). Multicentric reticulohistiocytosis: a critical review. *Curr Rheumatol Rep*. 17(6):511. PMID:25900189
2379. Sen F, Medeiros LJ, Lu D, Jones D, Lai R, Katz R, et al. (2002). Mantle cell lymphoma involving skin: cutaneous lesions may be the first manifestation of disease and tumors often have blastoid cytologic features. *Am J Surg Pathol*. 26(10):1312–8. PMID:12360046
2380. Sener SF, Milos S, Feldman JL, Martz CH, Winchester DJ, Dieterich M, et al. (2001). The spectrum of vascular lesions in the mammary skin, including angiosarcoma, after breast conservation treatment for breast cancer. *J Am Coll Surg*. 193(1):22–8. PMID:11442250
2381. Senff NJ, Hoefnagel JJ, Jansen PM, Vermeer MH, van Baaren J, Blokk WA, et al. (2007). Reclassification of 300 primary cutaneous B-cell lymphomas according to the new WHO-EORTC classification for cutaneous lymphomas: comparison with previous classifications and identification of prognostic markers. *J Clin Oncol*. 25(12):1581–7. PMID:17353548
2382. Senff NJ, Zoutman WH, Vermeer MH, Assaf C, Berti E, Cerroni L, et al. (2009). Fine-mapping chromosomal loss at 9p21: correlation with prognosis in primary cutaneous diffuse large B-cell lymphoma, leg type. *J Invest Dermatol*. 129(5):1149–55. PMID:19020554
2383. Serfatice J, Granel B, De Roux C, Pellissier JF, Swiader L, Bartoli JM, et al. (2000). “Coated aorta”: a new sign of Erdheim-Chester disease. *J Rheumatol*. 27(6):1550–3. PMID:10852289
2384. Servitje O, Muniesa C, Benavente Y, Monsálvez V, Garcia-Muret MP, Gallardo F, et al. (2013). Primary cutaneous marginal zone B-cell lymphoma: response to treatment and disease-free survival in a series of 137 patients. *J Am Acad Dermatol*. 69(3):357–65. PMID:23796549
2385. Sexton M, Sexton CW (1991). Recurrent pigmented melanocytic nevus. A benign lesion, not to be mistaken for malignant melanoma. *Arch Pathol Lab Med*. 115(2):122–6. PMID:1992976
2386. Seyda B (1965). Influence of Italian medicine on the origin and development of medical teaching at Cracow. *Atti Mem Accad Stor Arte Sanit*. 31:26–30. [Italian] PMID:14307321
2387. Sgouros D, Piana S, Argenziano G, Longo C, Moscarella E, Karaarslan IK, et al. (2013). Clinical, dermoscopic and histopathological features of eccrine poroid neoplasms. *Dermatology*. 227(2):175–9. PMID:24080919
2388. Shah A, Safaya A (2012). Granulomatous slack skin disease: a review, in comparison with mycosis fungoides. *J Eur Acad Dermatol Venereol*. 26(12):1472–8. PMID:22435618
2389. Shahla A, Parvaneh V, Hossein HD (2004). Langerhans cells histiocytosis in one family. *Pediatr Hematol Oncol*. 21(4):313–20. PMID:15205093
2390. Shain AH, Bastian BC (2016). From melanocytes to melanomas. *Nat Rev Cancer*. 16(6):345–58. PMID:27125352
2391. Shain AH, Bastian BC (2016). The genetic evolution of melanoma. *N Engl J Med*. 374(10):995–6. PMID:26962740
2392. Shain AH, Garrido M, Botton T, Talevich E, Yeh I, Sanborn JZ, et al. (2015). Exome sequencing of desmoplastic melanoma identifies recurrent NFKBIE promoter mutations and diverse activating mutations in the MAPK pathway. *Nat Genet*. 47(10):1194–9. PMID:26343386
2393. Shain AH, Pollack JR (2013). The spectrum of SWI/SNF mutations, ubiquitous in human cancers. *PLoS One*. 8(1):e55119. PMID:23355908
2394. Shain AH, Yeh I, Kovalyshyn I, Sriharan A, Talevich E, Gagnon A, et al. (2015). The genetic evolution of melanoma from precursor lesions. *N Engl J Med*. 373(20):1926–36. PMID:26559571
2395. Shalin SC, Lyle S, Calonje E, Lazar AJ (2010). Sebaceous neoplasia and the Muir-Torre syndrome: important connections with clinical implications. *Histopathology*. 56(1):133–47. PMID:20055911
2396. Shan SJ, Chen S, Heller P, Guo Y (2014). Syringocystadenocarcinoma papilliferum with intraepidermal pagetoid spread on an unusual location. *Am J Dermatopathol*. 36(12):1007–10. PMID:24423933
2397. Shanley S, Ratcliffe J, Hookey A, Hearn E, Oley C, Ravine D, et al. (1994). Nevoid basal cell carcinoma syndrome: review of 118 affected individuals. *Am J Med Genet*. 50(3):282–90. PMID:8042673
2398. Shanmugam V, Margolskee E, Klau M, Giordagde T, Orazi A (2016). Rosa-Dorfman disease harboring an activating KRAS K117N missense mutation. *Head Neck Pathol*. 10(3):394–9. PMID:26922062
2399. Shao L, Newell B, Quintanilla N (2007). Atypical fibroxanthoma and squamous cell carcinoma of the conjunctiva in xeroderma pigmentosum. *Pediatr Dev Pathol*. 10(2):148–52. PMID:17378688
2400. Shapiro L, Baraf CS (1970). Isolated epidermolytic acanthoma. A solitary tumor showing granular degeneration. *Arch Dermatol*. 101(2):220–3. PMID:5413257
- 2400A. Sharara NA, Alexander RA, Luther PJ, Hungerford JL, Cree IA (2001). Differential immunoreactivity of melanocytic lesions of the conjunctiva. *Histopathology*. 39(4):426–31. PMID:11683945
2401. Sheidow TG, Nicolle DA, Heathcote JS (2000). Erdheim-Chester disease: two cases of orbital involvement. *Eye (Lond)*. 14(Pt 4):688–92. PMID:11040908
2402. Shen AS, Peterhof E, Kind P, Rüben A, Zelger B, Landthaler M, et al. (2015). Activating mutations in the RAS/mitogen-activated protein kinase signaling pathway in sporadic trichoblastoma and syringocystadenoma papilliferum. *Hum Pathol*. 46(2):272–6. PMID:2552340
2403. Shen LI, Liu L, Yang Z, Jiang N (2016). Identification of genes and signaling pathways associated with squamous cell carcinoma by bioinformatics analysis. *Oncol Lett*. 11(2):180–90. PMID:26893747
2404. Shen S, Wolfe R, McLean CA, Hawrot M, Kelly JW (2014). Characteristics and associations of high-mitotic-rate melanoma. *JAMA Dermatol*. 150(10):1048–55. PMID:25443870
2405. Sheng W, Lu L, Wang J (2013). Cellular angiolipoma: a clinicopathological and immunohistochemical study of 12 cases. *Am J Dermatopathol*. 35(2):220–5. PMID:22555891
2406. Sheth S, Li X, Binder S, Dry SM (2011). Differential gene expression profiles of neurotheiomas and nerve sheath myomas by microarray analysis. *Mod Pathol*. 24(3):340–9. PMID:21297585
2407. Shi J, Yang XR, Ballew B, Rotunno M, Calista D, Fargnoli MC, et al. (2014). Rare missense variants in POT1 predispose to familial cutaneous malignant melanoma. *Nat Genet*. 46(5):482–6. PMID:24686846
2408. Shields CL, Fasiuddin AF, Watzynski A, Shields JA (2004). Conjunctival nevus: clinical features and natural course in 410 consecutive patients. *Arch Ophthalmol*. 122(2):167–75. PMID:14769591
2409. Shields CL, Manchild A, Sattah R, Eagle RC Jr, Shields JA (2008). Pigmented squamous cell carcinoma in situ of the conjunctiva in 5 cases. *Ophthalmology*. 115(10):1670–8. PMID:18378314
2410. Shields CL, Shields JA, Giamberini M



- Cater J, Mercado GV, Gross N, et al. (2000). Conjunctival melanoma: risk factors for recurrence, exenteration, metastasis, and death in 150 consecutive patients. *Arch Ophthalmol*. 118(11):1497–507. PMID:11074806
2411. Shields JA, Shields CL, Mashayekhi A, Marr BP, Benavides R, Thangappan A, et al. (2008). Primary acquired melanosis of the conjunctiva: risks for progression to melanoma in 311 eyes. The 2006 Lorenz E. Zimmerman Lecture. *Ophthalmology*. 115(3):511–9.e2. PMID:17884168
2412. Shih B, Tassabehji M, Watson JS, Bayat A (2012). DNA copy number variations at chromosome 7p14.1 and chromosome 14q11.2 are associated with Dupuytren's disease: potential role for MMP and Wnt signaling pathway. *Plast Reconstr Surg*. 129(4):921–32. PMID:22183494
2413. Shim JH, Lee DW, Cho BK (1996). A case of Cobb syndrome associated with lymphangioma circumscriptum. *Dermatology*. 193(1):45–7. PMID:8864618
2414. Shimada K, Kinoshita T, Naoe T, Nakamura S (2009). Presentation and management of intravascular large B-cell lymphoma. *Lancet Oncol*. 10(9):895–902. PMID:19717091
2415. Shimada K, Matsue K, Yamamoto K, Murase T, Ichikawa N, Okamoto M, et al. (2008). Retrospective analysis of intravascular large B-cell lymphoma treated with rituximab-containing chemotherapy as reported by the IVL study group in Japan. *J Clin Oncol*. 26(19):3189–95. PMID:18506023
2416. Shimada K, Shimada S, Sugimoto K, Nakatomi M, Suguro M, Hirakawa A, et al. (2016). Development and analysis of patient-derived xenograft mouse models in intravascular large B-cell lymphoma. *Leukemia*. 30(7):1568–79. PMID:27001523
2417. Shimauchi T, Imai S, Hino R, Tokura Y (2005). Production of thymus and activation-regulated chemokine and macrophage-derived chemokine by CCR4+ adult T-cell leukemia cells. *Clin Cancer Res*. 11(6):2427–35. PMID:15788694
2418. Shimizu S, Hashimoto H, Enjoji M (1984). Nodular fasciitis: an analysis of 250 patients. *Pathology*. 16(2):161–6. PMID:6462780
2419. Shimokawa M, Haraguchi M, Kobayashi W, Higashi Y, Matsushita S, Kawai K, et al. (2013). The transcription factor Snail expressed in cutaneous squamous cell carcinoma induces epithelial-mesenchymal transition and down-regulates COX-2. *Biochem Biophys Res Commun*. 430(3):1078–82. PMID:23261444
2420. Shimoyama M (1991). Diagnostic criteria and classification of clinical subtypes of adult T-cell leukaemia-lymphoma. A report from the Lymphoma Study Group (1984–87). *Br J Haematol*. 79(3):428–37. PMID:1751370
2421. Shin D, Sinha M, Kondziolka DS, Kirkwood JM, Rao UN, Tarhini AA (2015). Intermediate-grade meningeal melanocytoma associated with nevus of Ota: a case report and review of the literature. *Melanoma Res*. 25(4):273–8. PMID:25933209
2422. Shin HT, Jang KT, Mun GH, Lee DY, Lee JB (2014). Histopathological analysis of the progression pattern of subungual melanoma: late tendency of dermal invasion in the nail matrix area. *Mod Pathol*. 27(11):1461–7. PMID:24743223
2423. Shinde GB, Viswanath V, Torsekar RG (2012). Multiple yellowish plaques in cerebriiform pattern on the right elbow. Nevus lipomatous cutaneous superficialis (NLCS)—classical type of Hoffmann and Zuhelle. *Int J Dermatol*. 51(6):662–4. PMID:22607282
2424. Shingde MV, Buckland M, Busam KJ, McCarthy SW, Wilmott J, Thompson JF, et al. (2009). Primary cutaneous Ewing sarcoma/primitive neuroectodermal tumour: a clinicopathological analysis of seven cases highlighting diagnostic pitfalls and the role of FISH testing in diagnosis. *J Clin Pathol*. 62(10):915–9. PMID:19783720
2425. Shinozaki A, Nagao T, Endo H, Kato N, Hirokawa M, Mizobuchi K, et al. (2008). Sebaceous epithelial-myoepithelial carcinoma of the salivary gland: clinicopathologic and immunohistochemical analysis of 6 cases of a new histologic variant. *Am J Surg Pathol*. 32(6):913–23. PMID:18425042
2426. Shiomi T, Noguchi T, Nakayama H, Yoshida Y, Yamamoto O, Hayashi N, et al. (2013). Clinicopathological study of invasive extramammary Paget's disease: subgroup comparison according to invasion depth. *J Eur Acad Dermatol Venereol*. 27(5):589–92. PMID:22364152
2427. Shitara D, Nascimento MM, Puig S, Yamada S, Enokihara MM, Michalany N, et al. (2014). Nevus-associated melanomas: clinicopathologic features. *Am J Clin Pathol*. 142(4):485–91. PMID:25239415
2428. Shmookler BM, Enzinger FM (1981). Pleomorphic lipoma: a benign tumor simulating liposarcoma. A clinicopathologic analysis of 48 cases. *Cancer*. 47(1):126–33. PMID:7459800
2429. Shon W, Ida CM, Boland-Froemming JM, Rose PS, Folpe A (2011). Cutaneous angiosarcoma arising in massive localized lymphedema of the morbidly obese: a report of five cases and review of the literature. *J Cutan Pathol*. 38(7):560–4. PMID:21518378
2430. Shon W, Salomão DR (2014). WT1 expression in endocrine mucin-producing sweat gland carcinoma: a study of 13 cases. *Int J Dermatol*. 53(10):1228–34. PMID:25219513
2431. Shon W, Sukov WR, Jenkins SM, Folpe AL (2014). MYC amplification and overexpression in primary cutaneous angiosarcoma: a fluorescence in-situ hybridization and immunohistochemical study. *Mod Pathol*. 27(4):509–15. PMID:24091875
2432. Shon W, Wada DA, Folpe AL, Pittelkow MR (2012). Angiosarcoma in a patient with congenital nonhereditary lymphedema. *Cutis*. 90(5):248–51. PMID:23270196
2433. Shoo BA, Shinkai K, McCalmont TH, Fox LP (2008). Xanthogranulomas associated with hematologic malignancy in adulthood. *J Am Acad Dermatol*. 59(3):488–93. PMID:18538449
2434. Shors AR, Kim S, White E, Argenyi Z, Barnhill RL, Duray P, et al. (2006). Dysplastic naevi with moderate to severe histological dysplasia: a risk factor for melanoma. *Br J Dermatol*. 155(5):988–93. PMID:17034530
2435. Shousha S, Eusebi V, Lester S (2012). Paget disease of the nipple. In: Lakhani SR, Ellis IO, Schnitt SJ, Tan PH, van der Vijver MJ, editors. *WHO classification of tumours of the breast*. 4th ed. Lyon: International Agency for Research on Cancer; pp. 152–3.
2436. Shu B, Shen XX, Chen P, Fang XZ, Guo YL, Kong YY (2016). Primary invasive extramammary Paget disease on penoscrotum: a clinicopathological analysis of 41 cases. *Hum Pathol*. 47(1):70–7. PMID:26508372
2437. Shugart RR, Soule EH, Johnson EW Jr (1963). Glomus tumor. *Surg Gynecol Obstet*. 117:334–40. PMID:14080348
2438. Shvili D, Rotherm A (1986). Fulminant metastasizing chondroid syringoma of the skin. *Am J Dermatopathol*. 8(4):321–5. PMID:3021016
2439. Sibaud V, Beylot-Barry M, Thiébaud R, Parrens M, Vergier B, Delaunay M, et al. (2003). Bone marrow histopathologic and molecular staging in epidermotropic T-cell lymphomas. *Am J Clin Pathol*. 119(3):414–23. PMID:12645344
2440. Sidiropoulos M, Busam K, Guitart J, Laskin WB, Wagner AM, Gerami P (2013). Superficial paramucosal clear cell sarcoma of the soft parts resembling melanoma in a 13-year-old boy. *J Cutan Pathol*. 40(2):265–8. PMID:23228147
2441. Siegel JA, Korgavkar K, Weinstock MA (2017). Current perspective on actinic keratosis: a review. *Br J Dermatol*. 177(2):350–8. PMID:27500794
2442. Siegel RL, Miller KD, Jemal A (2017). Cancer statistics, 2017. *CA Cancer J Clin*. 67(1):7–30. PMID:28055103
2443. Sigg C, Pelloni F, Schnyder UW (1990). Frequency of congenital nevi, nevi spilii and café-au-lait spots and their relation to nevus count and skin complexion in 939 children. *Dermatologica*. 180(3):118–23. PMID:2187718
2444. Signoretti S, Annessi G, Occhiuto S, Ruatti P, Faraggiana T (1996). Papular clear cell hyperplasia of the eccrine duct in a diabetic. *Br J Dermatol*. 135(1):139–43. PMID:8776379
2445. Sima R, Vanecek T, Kacerovska D, Trubac P, Cribier B, Rutten A, et al. (2010). Brooke-Spiegler syndrome: report of 10 patients from 8 families with novel germline mutations: evidence of diverse somatic mutations in the same patient regardless of tumor type. *Diagn Mol Pathol*. 19(2):83–91. PMID:20502185
2446. Simionescu O, Popescu BO, Costache M, Manole E, Spulber S, Gherghiceanu M, et al. (2012). Apoptosis in seboreic keratoses: an open door to a new dermoscopic score. *J Cell Mol Med*. 16(6):1223–31. PMID:22404841
2447. Simon MP, Pedetour F, Sirvent N, Grosgeorge J, Minoletti F, Coindre JM, et al. (1997). Deregulation of the platelet-derived growth factor B-chain gene via fusion with collagen gene COL1A1 in dermatofibrosarcoma protuberans and giant-cell fibroblastoma. *Nat Genet*. 15(1):95–8. PMID:8988177
2448. Singh AD, De Potter P, Fijal BA, Shields CL, Shields JA, Elston RC (1998). Lifetime prevalence of uveal melanoma in white patients with oculodermal melanocytosis. *Ophthalmology*. 105(1):195–8. PMID:9442799
2449. Singh AD, Kalyani P, Topham A (2005). Estimating the risk of malignant transformation of a choroidal nevus. *Ophthalmology*. 112(10):1784–9. PMID:16154197
2450. Singh D, Garg RS, Vikas, Garg Y, Arora V (2016). Glomus tumor - a rarity; M.R.I. - a big help in early diagnosis. *J Orthop Case Rep*. 6(3):38–9. PMID:28116265
2451. Singh Gomez C, Calonje E, Fletcher CD (1994). Epithelioid benign fibrous histiocytoma of skin: clinico-pathological analysis of 20 cases of a poorly known variant. *Histopathology*. 24(2):123–9. PMID:8181804
2452. Singh K, Sharma A, Chatterjee T (2016). Pigmented basal cell carcinoma: a rare case report. *Indian J Cancer*. 53(3):380–1. PMID:28244464
2453. Singh RS, Grayson W, Redston M, Diwan AH, Warneke CL, McKee PH, et al. (2008). Site and tumor type predicts DNA mismatch repair status in cutaneous sebaceous neoplasia. *Am J Surg Pathol*. 32(6):936–42. PMID:18551751
2454. Sington JD, Manek S, Hollowood K (2002). Fibroadenoma of the mammary-like glands of the vulva. *Histopathology*. 41(6):563–5. PMID:12460213
2455. Sini MC, Manca A, Cossu A, Budroni M, Botti G, Asciero PA, et al. (2008). Molecular alterations at chromosome 9p21 in melanocytic naevi and melanoma. *Br J Dermatol*. 158(2):243–50. PMID:18028495
2456. Sirvent N, Perrin C, Lacour JP, Maire G, Attias R, Pedetour F (2004). Monosomy 9q and trisomy 16q in a case of congenital solitary infantile myofibromatosis. *Virchows Arch*. 445(5):537–40. PMID:15365831
2457. N. Sivriköz O, Kandilöglü G (2015). The effects of cyclin D1 and Bcl-2 expression on aggressive behavior in basal cell and basosquamous carcinoma. *Iran J Pathol*. 10(3):185–91. PMID:26351483
2458. Skala SL, Arps DP, Zhao L, Cha KB, Wang M, Harms PW, et al. (2018). Comprehensive histopathological comparison of epidermotropic/dermal metastatic melanoma and primary nodular melanoma. *Histopathology*. 72(3):472–80. PMID:28881040
2459. Skálová A, Vanecek T, Sima R, Laco J, Weinreb I, Perez-Ordóñez B, et al. (2010). Mammary analogue secretory carcinoma of salivary glands, containing the ETV6-NTRK3 fusion gene: a hitherto undescribed salivary gland tumor entity. *Am J Surg Pathol*. 34(5):599–608. PMID:20410810
2460. Skender-Kalnenka TM, English DR, Heenan PJ (1995). Benign melanocytic lesions: risk markers or precursors of cutaneous melanoma? *J Am Acad Dermatol*. 33(6):1000–7. PMID:7490345
2461. Slager SL, Caporaso NE, de Sanjose S, Goldin LR (2013). Genetic susceptibility to chronic lymphocytic leukemia. *Semin Hematol*. 50(4):296–302. PMID:24246697
2462. Slater DN, Cotton DW, Azzopardi JG (1987). Oncocytic glomus tumour: a new variant. *Histopathology*. 11(5):523–31. PMID:3038728
2463. Smit DL, Mensenkamp AR, Badeloe S, Breuning MH, Simon ME, van Spaendonck KY, et al. (2011). Hereditary leiomyomatosis and renal cell cancer in families referred for fumarate hydratase germline mutation analysis. *Clin Genet*. 79(1):49–59. PMID:20618355
2464. Smith K, Mezebish D, Williams JP, Menon P, Rolfe A, Cobb M, et al. (1998). Cutaneous epithelioid schwannomas: a rare variant of a benign peripheral nerve sheath tumor. *J Cutan Pathol*. 25(1):50–5. PMID:9508344
2465. Smith KJ, Barrett TL, Skelton HG 3rd, Lupton GP, Graham JH (1989). Spindle cell and epithelioid cell nevi with atypia and metastasis (malignant Spitz nevus). *Am J Surg Pathol*. 13(11):931–9. PMID:2802011
2466. Smith KJ, Hamza S, Skelton H (2004). Histologic features in primary cutaneous squamous cell carcinomas in immunocompromised patients focusing on organ transplant patients. *Dermatol Surg*. 30(4 Pt 2):634–41. PMID:15061848
2467. Smith KJ, Williams J, Corbett D, Skelton H (2001). Microcystic adnexal carcinoma: an immunohistochemical study including markers of proliferation and apoptosis. *Am J Surg Pathol*. 25(4):464–71. PMID:11257620
2468. Smith ME, Fisher C, Weiss SW (1996). Pleomorphic hyalinizing angiectatic tumor of soft parts. A low-grade neoplasm resembling neurilemmoma. *Am J Surg Pathol*. 20(1):21–9. PMID:8540605
2469. Smith MJ, Beetz C, Williams SG, Bhaskar SS, O'Sullivan J, Anderson B, et al. (2014). Germline mutations in SUFU cause Gorlin syndrome-associated childhood medulloblastoma and redefine the risk associated with PTCH1 mutations. *J Clin Oncol*. 32(36):4155–61. PMID:25403219
2470. Smith NP (1987). The pigmented spindle cell tumor of Reed: an underdiagnosed lesion. *Semin Diagn Pathol*. 4(1):75–87. PMID:3671907
2471. Smith SC, Poznanski AA, Fullen DR, Ma L, McHugh JB, Lucas DR, et al. (2013). CD34-positive superficial myxofibrosarcoma: a potential diagnostic pitfall. *J Cutan Pathol*. 40(7):639–45. PMID:23600956
2472. Smolle J, Kerl H (1983). Pilar sheath acanthoma - a benign follicular hamartoma. *Dermatologica*. 167(6):335–8. [German] PMID:6662259



2473. Snow S, Madjar DD, Hardy S, Bentz M, Lucarelli MJ, Bechard R, et al. (2001). Microcystic adnexal carcinoma: report of 13 cases and review of the literature. *Dermatol Surg.* 27(4):401-8. PMID:11298716
2474. Snow SN, Reizner GT (1992). Eccrine porocarcinoma of the face. *J Am Acad Dermatol.* 27(2 Pt 2):306-11. PMID:1325487
2475. Sofianos C, Chauke NY, Grubnik A (2016). Metastatic trichilemmal carcinoma in a patient with breast cancer. *BMJ Case Rep.* 2016:bcr2016217661. PMID:27872134
2476. Sokolowska-Wojdylo M, Wenzel J, Gaffal E, Steitz J, Roszkiewicz J, Bieber T, et al. (2005). Absence of CD26 expression on skin-homing CLA+ CD4+ T lymphocytes in peripheral blood is a highly sensitive marker for early diagnosis and therapeutic monitoring of patients with Sézary syndrome. *Clin Exp Dermatol.* 30(6):702-6. PMID:16197392
2477. Soler AP, Burchette JL, Bellet JS, Olson JA Jr (2007). Cell adhesion protein expression in melanocytic matricoma. *J Cutan Pathol.* 34(6):456-60. PMID:17518772
2478. Soler-Carrillo J, Estrach T, Mascaró JM (2001). Eruptive syringoma: 27 new cases and review of the literature. *J Eur Acad Dermatol Venereol.* 15(3):242-6. PMID:11683289
2479. Sommer LL, Barcia SM, Clarke LE, Helm KF (2011). Persistent melanocytic nevi: a review and analysis of 205 cases. *J Cutan Pathol.* 38(6):503-7. PMID:21362017
2480. Song JY, Pittaluga S, Dunleavy K, Grant N, White T, Jiang L, et al. (2015). Lymphomatoid granulomatosis—a single institute experience: pathologic findings and clinical correlations. *Am J Surg Pathol.* 39(2):141-56. PMID:25321327
2481. Sonnex TS, Hawk JL (1998). Hydroa vacciniforme: a review of ten cases. *Br J Dermatol.* 118(1):101-8. PMID:9342168
2482. Sordillo PP, Eprembian B, Koziner B, Lacher M, Lieberman P (1982). Lymphomatoid granulomatosis: an analysis of clinical and immunologic characteristics. *Cancer.* 49(10):2070-6. PMID:6978760
2483. Sorensen PH, Lessnick SL, Lopez-Terrada D, Liu XF, Triche TJ, Denny CT (1994). A second Ewing's sarcoma translocation, t(21;22), fuses the EWS gene to another ETS-family transcription factor, ERG. *Nat Genet.* 6(2):146-51. PMID:8162068
2484. Sotlar K, Cerny-Reiterer S, Petat-Dutter K, Hessel H, Berezowska S, Müllauer L, et al. (2011). Aberrant expression of CD30 in neoplastic mast cells in high-grade mastocytosis. *Mod Pathol.* 24(4):585-95. PMID:21186345
2485. Soufir N, Ribojad M, Magnaldo T, Thiбаudeau O, Delestaing G, Daya-Grosjean L, et al. (2002). Germline and somatic mutations of the INK4a-ARF gene in a xeroderma pigmentosum group C patient. *J Invest Dermatol.* 119(6):1355-60. PMID:12485439
2486. Soular R, Nguyen AT, Souraud JB, Oddon PA, Fouet B, Cathelinaud O (2012). Osteochondrolipoma of the submandibular region: a case report and review of the literature. *Head Neck Pathol.* 6(4):486-91. PMID:22623084
2487. South CD, Hampel H, Comeras I, Westman JA, Frankel WL, de la Chapelle A (2008). The frequency of Muir-Torre syndrome among Lynch syndrome families. *J Natl Cancer Inst.* 100(4):277-81. PMID:18270343
2488. Southwick GJ, Schwartz RA (1979). The basal cell nevus syndrome: disasters occurring among a series of 36 patients. *Cancer.* 44(6):2294-305. PMID:509397
2489. Souvatzidis P, Sbrano P, Mandato F, Fimiani M, Castelli A (2008). Malignant nodular hidradenoma of the skin: report of seven cases. *J Eur Acad Dermatol Venereol.* 22(5):549-54. PMID:18410617
2490. Soyer HP, Rigel DS, Wurm EM (2012). Actinic keratosis, basal cell carcinoma and squamous cell carcinoma. In: Bologna JL, Jorizzo JJ, Schaffer JV, Callen JP, Cerroni L, Heymann WR, et al., editors. *Dermatology*. 3rd ed. London: Elsevier; pp. 1773-93.
2491. Spatz A, Calonje E, Handfield-Jones S, Barnhill RL (1999). Spitz tumors in children: a grading system for risk stratification. *Arch Dermatol.* 135(3):282-5. PMID:10086449
2492. Spatz A, Ruitter D, Hardmeier T, Renard N, Wechsler J, Bailly C, et al. (1996). Melanoma in childhood: an EORTC-MCG multicenter study on the clinico-pathological aspects. *Int J Cancer.* 68(3):317-24. PMID:8903473
2493. Spencer JM, Kahn SM, Jiang W, DeLeo VA, Weinstein IB (1995). Activated ras genes occur in human actinic keratoses, premalignant precursors to squamous cell carcinomas. *Arch Dermatol.* 131(7):796-800. PMID:7611795
2494. Spencer KR, Mehnert JM (2016). Mucosal melanoma: epidemiology, biology and treatment. *Cancer Treat Res.* 167:295-320. PMID:26601869
2495. Sperr WR, Jordan JH, Fiegl M, Escobedo L, Bellas C, Dirnhofer S, et al. (2002). Serum tryptase levels in patients with mastocytosis: correlation with mast cell burden and implication for defining the category of disease. *Int Arch Allergy Immunol.* 128(2):136-41. PMID:12065914
2496. Spillane AJ, Thomas JM, Fisher C (2000). Epithelioid sarcoma: the clinicopathological complexities of this rare soft tissue sarcoma. *Ann Surg Oncol.* 7(3):218-25. PMID:10791853
2497. Stålemark H, Laurencikas E, Karis J, Gavhed D, Fadeel B, Henter JI (2008). Incidence of Langerhans cell histiocytosis in children: a population-based study. *Pediatr Blood Cancer.* 51(1):76-81. PMID:18266220
2498. Stam H, Lohuis PJ, Zupan-Kajcovski B, Wouters MW, van der Hage JA, Visser O (2013). Increasing incidence and survival of a rare skin cancer in the Netherlands. A population-based study of 2,220 cases of skin adnexal carcinoma. *J Surg Oncol.* 107(8):822-7. PMID:23505050
2499. Staples MP, Elwood M, Burton RC, Williams JL, Marks R, Giles GG (2006). Non-melanoma skin cancer in Australia: the 2002 national survey and trends since 1985. *Med J Aust.* 184(1):6-10. PMID:16398622
2500. Starink TM (1984). Cowden's disease: analysis of fourteen new cases. *J Am Acad Dermatol.* 11(6):1127-41. PMID:6512057
2501. Starink TM (1997). Eccrine syringofibroadenoma: multiple lesions representing a new cutaneous marker of the Schöpf syndrome, and solitary nonhereditary tumors. *J Am Acad Dermatol.* 36(4):569-76. PMID:9092743
2502. Starink TM, Hausman R (1984). The cutaneous pathology of facial lesions in Cowden's disease. *J Cutan Pathol.* 11(5):331-7. PMID:6512062
2503. Staser K, Yang FC, Clapp DW (2010). Mast cells and the neurofibroma microenvironment. *Blood.* 116(2):157-64. PMID:20233971
2504. Stebbing J, Sanitt A, Nelson M, Powles T, Gazzard B, Bower M (2006). A prognostic index for AIDS-associated Kaposi's sarcoma in the era of highly active antiretroviral therapy. *Lancet.* 367(9521):1495-502. PMID:16679162
2505. Stefanato CM, Ferrara G, Chaudhry IH, Guevara Pineda C, Waschkowski G, Rose C, et al. (2012). Clear cell nodular hidradenoma involving the lymphatic system: a tumor of uncertain malignant potential or a novel example of "metastasizing" benign tumor? *Am J Surg Pathol.* 36(12):1835-40. PMID:23095508
2506. Stenzinger A, Endris V, Pfarr N, Andruslik M, Jöhrens K, Klauschen F, et al. (2014). Targeted ultra-deep sequencing reveals recurrent and mutually exclusive mutations of cancer genes in blastic plasmacytoid dendritic cell neoplasm. *Oncotarget.* 5(15):6404-13. PMID:25115387
2507. Stern JB, Haupt HM, Smith RR (1994). Fibroepithelioma of Pinkus. Eccrine duct spread of basal cell carcinoma. *Am J Dermatopathol.* 16(6):585-7. PMID:7864295
2508. Stern RS (2012). The risk of squamous cell and basal cell cancer associated with psoralen and ultraviolet A therapy: a 30-year prospective study. *J Am Acad Dermatol.* 66(4):553-62. PMID:22264671
2509. Stewart CJ (2008). Syringocystadenoma papilliferum-like lesion of the vulva. *Pathology.* 40(6):638-9. PMID:18752136
2510. Stewart DR, Pemov A, Van Loo P, Beert E, Brems H, Sciot R, et al. (2012). Mitotic recombination of chromosome arm 17q as a cause of loss of heterozygosity of NF1 in neurofibromatosis type 1-associated glomus tumors. *Genes Chromosomes Cancer.* 51(5):429-37. PMID:22250039
2511. Stewart DR, Sloan JL, Yao L, Mannes AJ, Moshedy A, Lee CC, et al. (2010). Diagnosis, management, and complications of glomus tumours of the digits in neurofibromatosis type 1. *J Med Genet.* 47(8):525-32. PMID:20530151
2512. Stockfleth E (2017). The importance of treating the field in actinic keratosis. *J Eur Acad Dermatol Venereol.* 31 Suppl 2:8-11. PMID:28263021
2513. Stockfleth E, Sterry W (2002). New treatment modalities for basal cell carcinoma. *Recent Results Cancer Res.* 160:259-68. PMID:12079222
2514. Stockfleth E, Ulrich C, Meyer T, Christophers E (2002). Epithelial malignancies in organ transplant patients: clinical presentation and new methods of treatment. *Recent Results Cancer Res.* 160:251-8. PMID:12079221
2515. Stockman DL, Hornick JL, Deavers MT, Lev DC, Lazar AJ, Wang WL (2014). ERG and FLI1 protein expression in epithelioid sarcoma. *Mod Pathol.* 27(4):496-501. PMID:24072183
2516. Stocksclaeder M, Sucker C (2006). Adult Langerhans cell histiocytosis. *Eur J Haematol.* 76(5):363-8. PMID:16548916
2517. Stratakis CA, Kirschner LS, Carney JA (2001). Clinical and molecular features of the Carney complex: diagnostic criteria and recommendations for patient evaluation. *J Clin Endocrinol Metab.* 86(9):4041-6. PMID:11549623
2518. Stratton J, Billings SD (2014). Cellular neurothekeoma: analysis of 37 cases emphasizing atypical histologic features. *Mod Pathol.* 27(5):701-10. PMID:24186141
2519. Streubel B, Lamprecht A, Dierlamm J, Cerroni L, Stolte M, Ott G, et al. (2003). t(14;18)(q32;q21) involving IGH and MALT1 is a frequent chromosomal aberration in MALT lymphoma. *Blood.* 101(6):2335-9. PMID:12406890
2520. Streubel B, Simonitsch-Klupp I, Müllauer L, Lamprecht A, Huber D, Siebert R, et al. (2004). Variable frequencies of MALT lymphoma-associated genetic aberrations in MALT lymphomas of different sites. *Leukemia.* 18(10):1722-6. PMID:15356642
2521. Ströbel P, Zettl A, Ren Z, Starostik P, Riedmiller H, Störkel S, et al. (2002). Spiradenocylindroma of the kidney: clinical and genetic findings suggesting a role of somatic mutation of the CYLD1 gene in the oncogenesis of an unusual renal neoplasm. *Am J Surg Pathol.* 26(1):119-24. PMID:11756779
2522. Strungs I (2004). Common and uncommon variants of melanocytic naevi. *Pathology.* 36(5):396-403. PMID:15370108
2523. Stuart LN, Hiatt KM, Zaki Z, Gardner JM, Shalin SC (2014). Plaque-like CD34-positive dermal fibroma/medallion-like dermal dendrocyte hamartoma: an unusual spindle cell neoplasm. *J Cutan Pathol.* 41(8):525-9. PMID:25065391
2524. Su A, Low L, Li X, Zhou S, Mascarenhas L, Barnhill RL (2014). De novo congenital melanoma: analysis of 2 cases with array comparative genomic hybridization. *Am J Dermatopathol.* 36(11):915-9. PMID:25051103
2525. Su F, Viros A, Miagre C, Trunzer K, Bollag G, Spleiss O, et al. (2012). RAS mutations in cutaneous squamous-cell carcinomas in patients treated with BRAF inhibitors. *N Engl J Med.* 366(3):207-15. PMID:22256804
2526. Suarez-Vilela D, Izquierdo-Garcia FM (2003). Angioimmunoblastic lymphadenopathy-like T-cell lymphoma: cutaneous clinical onset with prominent granulomatous reaction. *Am J Surg Pathol.* 27(5):699-700. PMID:12717256
2527. Suchak R, Wang WL, Prieto VG, Ivan D, Lazar AJ, Brenn T, et al. (2012). Cutaneous digital papillary adenocarcinoma: a clinicopathologic study of 31 cases of a rare neoplasm with new observations. *Am J Surg Pathol.* 36(12):1883-91. PMID:23026931
2528. Sugianto JZ, Ralston JS, Metcalf JS, McFadden CL, Smith MT (2016). Blue nevus and "malignant blue nevus": A concise review. *Semin Diagn Pathol.* 33(4):219-24. PMID:27199078
2529. Sugita S, Hirano H, Kikuchi N, Kubo T, Asanuma H, Aoyama T, et al. (2016). Diagnostic utility of FOSB immunohistochemistry in pseudomyogenic hemangioperithelioma and its histological mimics. *Diagn Pathol.* 11(1):75. PMID:27515856
2530. Sugiura M, Colby KA, Mihm MC Jr, Zembowicz A (2007). Low-risk and high-risk histologic features in conjunctival primary acquired melanosis with atypia: clinicopathologic analysis of 29 cases. *Am J Surg Pathol.* 31(2):185-92. PMID:17255762
2531. Sullivan LM, Folpe AL, Pawel BR, Jenkins AR, Biegel JA (2013). Epithelioid sarcoma is associated with a high percentage of SMARCB1 deletions. *Mod Pathol.* 26(3):385-92. PMID:23060122
2532. Sun P, Watanabe K, Fallahi M, Lee B, Afetian ME, Rheume C, et al. (2014). Pgd2 regulates  $\beta$ -catenin-induced activation of hair follicle stem/progenitor cells and skin hypoplasia. *Proc Natl Acad Sci U S A.* 111(28):10215-20. PMID:24982158
2533. Suringa DW, Ackerman AB (1970). Cutaneous lymphangiomas with dyschondroplasia (Maffucci's syndrome). A unique variant of an unusual syndrome. *Arch Dermatol.* 101(4):472-4. PMID:5440820
2534. Suster S (1996). Clear cell tumor of the skin. *Semin Diagn Pathol.* 13(1):40-59. PMID:8834514
2535. Suster S, Fisher C (1997). Immunoreactivity for the human hematopoietic progenitor cell antigen (CD34) in lipomatous tumors. *Am J Surg Pathol.* 21(2):195-200. PMID:9442286
2536. Suster S, Fisher C, Moran CA (1988). Expression of bcl-2 oncprotein in benign and malignant spindle cell tumors of soft tissue, skin, serosal surfaces, and gastrointestinal tract. *Am J Surg Pathol.* 22(7):863-70. PMID:9669348
2537. Suurmeijer AJ (2010). Papillary hemangiomas and glomeruloid hemangiomas are distinct clinicopathological entities. *Int J Surg Pathol.* 18(1):48-54. PMID:18805888
2538. Suurmeijer AJ, Fletcher CD (2007). Papillary haemangioma. A distinctive cutaneous haemangioma of the head and neck area containing eosinophilic hyaline globules. *Histopathology.* 51(5):638-48. PMID:17927585
2539. Suzaki R, Ishizaki S, Iyatomi H, Tanaka M (2014). Age-related prevalence of dermatoscopic patterns of acral melanocytic



- nevi. *Dermatol Pract Concept*. 4(1):53–7. PMID:24520515
- 2540.** Suzuki N, Konohana I, Fukushige T, Kanzaki T (2004). Beta-mannosidosis with angiokeratoma corporis diffusum. *J Dermatol*. 31(11):931–5. PMID:15729869
- 2541.** Suzuki R, Nakamura S, Suzumiya J, Ichimura K, Ichikawa M, Ogata K, et al. (2005). Blastic natural killer cell lymphoma/leukemia (CD56-positive blastic tumor): prognostication and categorization according to anatomic sites of involvement. *Cancer*. 104(5):1022–31. PMID:15999368
- 2542.** Švajdler M, Baník P, Poliaková K, Straka L, Hribíková Z, Kinkor Z, et al. (2015). Sebaceous carcinoma of the breast: report of four cases and review of the literature. *Pol J Pathol*. 66(2):142–8. PMID:26247527
- 2543.** Swanson PE, Cherwitz DL, Neumann MP, Wick MR (1987). Eccrine sweat gland carcinoma: an histologic and immunohistochemical study of 32 cases. *J Cutan Pathol*. 14(2):65–86. PMID:2439558
- 2544.** Swerdlow SH (2017). Cutaneous marginal zone lymphomas. *Semin Diagn Pathol*. 34(1):76–84. PMID:27986434
- 2545.** Swerdlow SH, Campo E, Harris NL, Jaffe ES, Pileri SA, Stein H, et al., editors (2017). WHO classification of tumours of haematopoietic and lymphoid tissues. Revised 4th ed. Lyon: International Agency for Research on Cancer.
- 2546.** Swerdlow SH, Campo E, Harris NL, Jaffe ES, Pileri SA, Stein H, et al., editors (2008). WHO classification of tumours of haematopoietic and lymphoid tissues. 4th edition. Lyon: International Agency for Research on Cancer.
- 2547.** Swerdlow SH, Campo E, Pileri SA, Harris NL, Stein H, Siebert R, et al. (2016). The 2016 revision of the World Health Organization classification of lymphoid neoplasms. *Blood*. 127(20):2375–90. PMID:26980727
- 2548.** Swerdlow SH, Jaffe ES, Brousset P, Chan JK, de Leval L, Gaulard P, et al. (2014). Cytotoxic T-cell and NK-cell lymphomas: current questions and controversies. *Am J Surg Pathol*. 38(10):e60–71. PMID:25025449
- 2549.** Swerdlow SH, Quintanilla-Martinez L, Willemze R, Kinney MC (2013). Cutaneous B-cell lymphoproliferative disorders: report of the 2011 Society for Hematopathology/European Association for Haematopathology workshop. *Am J Clin Pathol*. 139(4):515–35. PMID:23525619
- 2550.** Swick BL, Baum CL, Venkat AP, Liu V (2011). Indolent CD8+ lymphoid proliferation of the ear: report of two cases and review of the literature. *J Cutan Pathol*. 38(2):209–15. PMID:21083681
- 2551.** Szablewski V, Ingen-Housz-Oro S, Baia M, Delfau-Larue MH, Copie-Bergman C, Ortonne N (2016). Primary cutaneous follicle center lymphomas expressing BCL2 protein frequently harbor BCL2 gene break and may present 1p36 deletion: a study of 20 cases. *Am J Surg Pathol*. 40(1):127–36. PMID:26658664
- 2552.** Szablewski V, Laurent-Roussel S, Rethers L, Rommel A, Van Eeckhout P, Camboni A, et al. (2014). Atypical fibrous histiocytoma of the skin with CD30 and p80/ALK1 positivity and ALK gene rearrangement. *J Cutan Pathol*. 41(9):715–9. PMID:24666231
- 2553.** Szczeplanski T, Pongers-Willems MJ, Langerak AW, van Dongen JJ (1999). Unusual immunoglobulin and T-cell receptor gene rearrangement patterns in acute lymphoblastic leukemias. *Curr Top Microbiol Immunol*. 246:205–15. PMID:10396058
- 2554.** Tabanelli V, Valli R, Righi S, Nucera G, Zecchini Barese T, Pileri S, et al. (2014). A unique case of an indolent myometrial T-cell lymphoproliferative disorder with phenotypic features resembling uterine CD8+ resident memory T cells. *Pathobiology*. 81(4):176–82. PMID:25138577
- 2555.** Tacha D, Qi W, Ra S, Bremer R, Yu C, Chu J, et al. (2015). A newly developed mouse monoclonal SOX10 antibody is a highly sensitive and specific marker for malignant melanoma, including spindle cell and desmoplastic melanomas. *Arch Pathol Lab Med*. 139(4):530–6. PMID:25436903
- 2556.** Tagami H, Takigawa M, Ogino A, Imamura S, Ofugi S (1977). Spontaneous regression of plane warts after inflammation: clinical and histologic studies in 25 cases. *Arch Dermatol*. 113(9):1209–13. PMID:900963
- 2557.** Taher A, Pushpanathan C (2007). Plexiform fibrohistiocytic tumor: a brief review. *Arch Pathol Lab Med*. 131(7):1135–8. PMID:17617005
- 2558.** Tajirian AL, Malik MK, Robinson-Bostom L, Lally EV (2006). Multicentric reticulohistiocytosis. *Clin Dermatol*. 24(6):486–92. PMID:17113966
- 2559.** Takai T (2017). Advances in histopathological diagnosis of keratoacanthoma. *J Dermatol*. 44(3):304–14. PMID:28256761
- 2560.** Takashima H, Toyoda M, Ikeda Y, Kagoura M, Morohashi M (2003). Nevus lipomatous cutaneous superficialis with perifollicular fibrosis. *Eur J Dermatol*. 13(6):584–6. PMID:14721781
- 2561.** Takata K, Hong ME, Sitthinamsuwan P, Loong F, Tan SY, Liaw JY, et al. (2015). Primary cutaneous NK/T-cell lymphoma, nasal type and CD56-positive peripheral T-cell lymphoma: a cellular lineage and clinicopathologic study of 60 patients from Asia. *Am J Surg Pathol*. 39(1):1–12. PMID:25188863
- 2562.** Takata M, Rehman I, Rees JL (1998). A trichilemmal carcinoma arising from a proliferating trichilemmal cyst: the loss of the wild-type p53 is a critical event in malignant transformation. *Hum Pathol*. 29(2):193–5. PMID:9490283
- 2563.** Takino H, Li C, Hu S, Kuo TT, Geissinger E, Muller-Hermelink HK, et al. (2008). Primary cutaneous marginal zone B-cell lymphoma: a molecular and clinicopathological study of cases from Asia, Germany, and the United States. *Mod Pathol*. 21(12):1517–26. PMID:18820662
- 2564.** Tallon B, Beer TW (2014). MITF positivity in atypical fibroxanthoma: a diagnostic pitfall. *Am J Dermatopathol*. 36(11):888–91. PMID:25238448
- 2565.** Tamada S, Ackerman AB (1987). Dermatofibroma with monster cells. *Am J Dermatopathol*. 9(5):380–7. PMID:2825558
- 2566.** Tamura D, DiGiovanna JJ, Khan SG, Kraemer KH (2014). Living with xeroderma pigmentosum: comprehensive photoprotection for highly photosensitive patients. *Photodermatol Photoimmunol Photomed*. 30(2–3):146–52. PMID:24417420
- 2567.** Tan CY, Marks R (1982). Lichenoid solar keratosis—prevalence and immunologic findings. *J Invest Dermatol*. 79(6):365–7. PMID:7142736
- 2568.** Tan CZ, Rieger KE, Sarin KY (2017). Basosquamous carcinoma: controversy, advances, and future directions. *Dermatol Surg*. 43(1):23–31. PMID:27340741
- 2569.** Tan KB, Moncrieff M, Thompson JF, McCarthy SW, Shaw HM, Quinn MJ, et al. (2007). Subungual melanoma: a study of 124 cases highlighting features of early lesions, potential pitfalls in diagnosis, and guidelines for histologic reporting. *Am J Surg Pathol*. 31(12):1902–12. PMID:18043047
- 2570.** Tan KW, Koh MJ, Tay YK (2010). Juvenile xanthogranuloma in monozygotic twins. *Pediatr Dermatol*. 27(6):666–7. PMID:21091658
- 2571.** Tanas MR, Sboner A, Oliveira AM, Erickson-Johnson MR, Hespelt J, Hanwright PJ, et al. (2011). Identification of a disease-defining gene fusion in epithelioid hemangioendothelioma. *Sci Transl Med*. 3(98):98ra82. PMID:21885404
- 2572.** Tanboon J, Manonukul J, Pattanaprichakul P (2014). Melanocytic matricoma: two cases of a rare entity in women. *J Cutan Pathol*. 41(10):775–82. PMID:24641267
- 2573.** Tang JY, Ally MS, Chanana AM, Mackay-Wiggan JM, Aszterbaum M, Lindgren JA, et al. (2016). Inhibition of the hedgehog pathway in patients with basal-cell nevus syndrome: final results from the multicentre, randomised, double-blind, placebo-controlled, phase 2 trial. *Lancet Oncol*. 17(12):1720–31. PMID:27838224
- 2574.** Tantecheva-Poór I, Vanecek T, Lurati MC, Rychly B, Kempf W, Michal M, et al. (2016). Report of three novel germline CYLD mutations in unrelated patients with Brooke-Spiegler syndrome, including classic phenotype, multiple familial trichoepitheliomas and malignant transformation. *Dermatology*. 232(1):30–7. PMID:26329847
- 2575.** Tapiá G, Mate JL, Fuente MJ, Navarro JT, Fernández-Figueras MT, Juncá J, et al. (2013). Cutaneous presentation of chronic lymphocytic leukemia as unique extramedullary involvement in a patient with normal peripheral blood lymphocyte count (monoclonal B-cell lymphocytosis). *J Cutan Pathol*. 40(8):740–4. PMID:23639136
- 2576.** Tardio JC (2008). CD34-reactive tumors of the skin. An updated review of an ever-growing list of lesions. *J Cutan Pathol*. 35(12):1079–92. PMID:18976402
- 2577.** Tardio JC (2009). CD34-reactive tumors of the skin. An updated review of an ever-growing list of lesions. *J Cutan Pathol*. 36(1):89–102. PMID:19125742
- 2578.** Tardio JC, Azorín D, Hernández-Núñez A, Guzmán A, Torrelo A, Herráiz M, et al. (2011). Dermatofibromas presenting in pediatric patients: clinicopathologic characteristics and differential diagnosis. *J Cutan Pathol*. 38(12):967–72. PMID:21752049
- 2579.** Tardio JC, Pinedo F, Aramburu JA, Martínez-González MA, Arias D, Khedaoui R, et al. (2016). Clear cell atypical fibroxanthoma: clinicopathological study of 6 cases and review of the literature with special emphasis on the differential diagnosis. *Am J Dermatopathol*. 38(8):586–92. PMID:26848640
- 2580.** Tardio JC, Pinedo F, Aramburu JA, Suárez-Massa D, Pampín A, Requena L, et al. (2016). Pleomorphic dermal sarcoma: a more aggressive neoplasm than previously estimated. *J Cutan Pathol*. 43(2):101–12. PMID:26264237
- 2581.** Tariq S, Hugenberg ST, Hirano-Ali SA, Tariq H (2016). Multicentric reticulohistiocytosis (MRH): case report with review of literature between 1991 and 2014 with in depth analysis of various treatment regimens and outcomes. *Springerplus*. 5:180. PMID:27026876
- 2582.** Tas F, Keskin S, Karadeniz A, Dağoğlu N, Sen F, Kilic L, et al. (2011). Noncutaneous melanoma have distinct features from each other and cutaneous melanoma. *Oncology*. 81(5–6):353–8. PMID:22248874
- 2583.** Tateishi U, Hasegawa T, Onaya H, Satake M, Arai Y, Moriyama N (2005). Myxoinflammatory fibroblastic sarcoma: MR appearance and pathologic correlation. *AJR Am J Roentgenol*. 184(6):1749–53. PMID:15908525
- 2584.** Tateyama H, Eimoto T, Tada T, Inagaki H, Nakamura T, Yamauchi R (1995). p53 protein and proliferating cell nuclear antigen in eccrine poroma and porocarcinoma. An immunohistochemical study. *Am J Dermatopathol*. 17(5):457–64. PMID:8599450
- 2585.** Tay YK, Tham SN, Teo R (1996). Localized vulvar syringomas—an unusual cause of pruritus vulvae. *Dermatology*. 192(1):62–3. PMID:8832956
- 2586.** Taylor GB, Chan YF (2000). Subcutaneous primitive neuroectodermal tumour in the abdominal wall of a child: long-term survival after local excision. *Pathology*. 32(4):294–8. PMID:11186429
- 2587.** Tbakhi A, Cowan DF, Kumar D, Kyle D (1993). Recurring phylloides tumor in aberrant breast tissue of the vulva. *Am J Surg Pathol*. 17(9):946–50. PMID:8394655
- 2588.** Tcheung WJ, Selim MA, Herndon JE 2nd, Abernethy AP, Nelson KC (2012). Clinicopathologic study of 85 cases of melanoma of the female genitalia. *J Am Acad Dermatol*. 67(4):598–605. PMID:22243767
- 2589.** Tebcherani AJ, de Andrade HF Jr, Sotto MN (2012). Diagnostic utility of immunohistochemistry in distinguishing trichoepithelioma and basal cell carcinoma: evaluation using tissue microarray samples. *Mod Pathol*. 25(10):1345–53. PMID:22684216
- 2590.** Tellechea O, Reis JP, Baptista AP (1992). Desmoplastic trichilemmoma. *Am J Dermatopathol*. 14(2):107–4. PMID:1373583
- 2591.** Tellechea O, Reis JP, Marques C, Baptista AP (1995). Tubular apocrine adenoma with eccrine and apocrine immunophenotypes or papillary tubular adenoma? *Am J Dermatopathol*. 17(5):499–505. PMID:8599457
- 2592.** Templeton SF, Solomon AR Jr (1996). Spindle cell lipoma is strongly CD34 positive. An immunohistochemical study. *J Cutan Pathol*. 23(6):546–50. PMID:9001985
- 2593.** ten Berge RL, Oudejans JJ, Ossenkoppele GJ, Pulford K, Willemze R, Falini B, et al. (2000). ALK expression in extranodal anaplastic large cell lymphoma favours systemic disease with (primary) nodal involvement and a good prognosis and occurs before dissemination. *J Clin Pathol*. 53(6):445–50. PMID:10911802
- 2594.** Ten Broek RW, Bekers EM, de Leng WWJ, Strengham E, Tops BBJ, Kutzner H, et al. (2017). Mutational analysis using Sanger and next generation sequencing in sporadic spindle cell hemangiomas: a study of 19 cases. *Genes Chromosomes Cancer*. 56(12):855–60. PMID:28845532
- 2595.** Ten Dam EJ, van Beuge MM, Bank RA, Werker PM (2016). Further evidence of the involvement of the Wnt signaling pathway in Dupuytren's disease. *J Cell Commun Signal*. 10(1):33–40. PMID:26635199
- 2596.** ten Kate GL, Kleibeuker JH, Nagengast FM, Craanen M, Cats A, Menko FH, et al. (2007). Is surveillance of the small bowel indicated for Lynch syndrome families? *Gut*. 56(9):1198–201. PMID:17409122
- 2597.** Terrier-Lacombe MJ, Guillou L, Chibon F, Gallagher G, Benhattar J, Terrier P, et al. (2009). Superficial primitive Ewing's sarcoma: a clinicopathologic and molecular cytogenetic analysis of 14 cases. *Mod Pathol*. 22(1):87–94. PMID:18820660
- 2598.** Terrier-Lacombe MJ, Guillou L, Maire G, Terrier P, Vince DR, de Saint Aubain Somehausen N, et al. (2003). Dermatofibrosarcoma protuberans, giant cell fibrolastoma, and hybrid lesions in children: clinicopathologic comparative analysis of 28 cases with molecular data—a study from the French Federation of Cancer Centers Sarcoma Group. *Am J Surg Pathol*. 27(1):27–39. PMID:12502925
- 2599.** Teruya-Feldstein J, Chiao E, Filippa DA, Lin O, Comenzo R, Coleman M, et al. (2004). CD20-negative large-cell lymphoma with plasmablastic features: a clinically heterogeneous spectrum in both HIV-positive and -negative patients. *Ann Oncol*. 15(11):1673–9. PMID:15520070
- 2600.** Tessier-Cloutier B, Asleh-Aburaya K,



- Shah V, McCluggage WG, Tinker A, Gilks CB (2017). Molecular subtyping of mammary-like adenocarcinoma of the vulva shows molecular similarity to breast carcinomas. *Histopathology*. 71(3):446–52. PMID:28418164
- 2601.** Testa JR, Cheung M, Pei J, Below JE, Tan Y, Sementino E, et al. (2011). Germline BAP1 mutations predispose to malignant mesothelioma. *Nat Genet*. 43(10):1022–5. PMID:21874000
- 2602.** Tetzlaff MT, Singh RR, Seviour EG, Curry JL, Hudgens CW, Bell D, et al. (2016). Next-generation sequencing identifies high frequency of mutations in potentially clinically actionable genes in sebaceous carcinoma. *J Pathol*. 240(1):84–95. PMID:27287813
- 2603.** Tetzlaff MT, Torres-Cabala CA, Patanapichakul P, Rapini RP, Prieto VG, Curry JL (2015). Emerging clinical applications of selected biomarkers in melanoma. *Clin Cosmet Investig Dermatol*. 8:35–46. PMID:25674009
- 2604.** Thiagalingam S, Johnson MM, Colby KA, Zembowicz A (2008). Juvenile conjunctival nevus: clinicopathologic analysis of 33 cases. *Am J Surg Pathol*. 32(3):399–406. PMID:18300811
- 2605.** Thies R, Mulliken JB, Revencu N, Boon LM, Burrows PE, Cordisco M, et al. (2010). A novel association between RASA1 mutations and spinal arteriovenous anomalies. *AJNR Am J Neuroradiol*. 31(4):775–9. PMID:20007727
- 2606.** Thomas AC, Zeng Z, Riviere JB, O'Shaughnessy R, Al-Olabi L, St-Onge J, et al. (2016). Mosaic activating mutations in GNA11 and GNAQ are associated with phakomatosis pigmentovascularis and extensive dermal melanocytosis. *J Invest Dermatol*. 136(4):770–8. PMID:26778290
- 2607.** Thomas C, Somani N, Owen LG, Malone JC, Billings SD (2009). Cutaneous malignant peripheral nerve sheath tumors. *J Cutan Pathol*. 36(8):896–900. PMID:19586501
- 2608.** Thompson SC, Jolley D, Marks R (1993). Reduction of solar keratoses by regular sunscreen use. *N Engl J Med*. 329(16):1147–51. PMID:8377777
- 2609.** Thornton CM, Hunt SJ (1995). Sebaceous adenoma with a cutaneous horn. *J Cutan Pathol*. 22(2):185–7. PMID:7560356
- 2610.** Thum C, Hollowood K, Birch J, Goodlad JR, Brenn T (2011). Aberrant Melan-A expression in atypical fibroxanthoma and undifferentiated pleomorphic sarcoma of the skin. *J Cutan Pathol*. 38(12):954–60. PMID:22050092
- 2611.** Thum C, Husain EA, Mulholland K, Hornick JL, Brenn T (2013). Atypical fibroxanthoma with pseudoangiomatic features: a histological and immunohistochemical mimic of cutaneous angiosarcoma. *Ann Diagn Pathol*. 17(6):502–7. PMID:24080496
- 2612.** Thway K, Flora RS, Fisher C (2012). Chondroid lipoma: an update and review. *Ann Diagn Pathol*. 16(3):230–4. PMID:22607659
- 2613.** Thway K, Gibson S, Ramsay A, Sebire NJ (2009). Beta-catenin expression in pediatric fibroblastic and myofibroblastic lesions: a study of 100 cases. *Pediatr Dev Pathol*. 12(4):292–6. PMID:18939887
- 2614.** Thway K, Jones RL, Noujaim J, Fisher C (2016). Epithelioid sarcoma: diagnostic features and genetics. *Adv Anat Pathol*. 23(1):41–9. PMID:26645461
- 2615.** Thway K, Noujaim J, Jones RL, Fisher C (2016). Dermatofibrosarcoma protuberans: pathology, genetics, and potential therapeutic strategies. *Ann Diagn Pathol*. 25:64–71. PMID:27806849
- 2616.** Tirode F, Laud-Duval K, Prieur A, Delorme B, Charbord P, Delattre O (2007). Mesenchymal stem cell features of Ewing tumors. *Cancer Cell*. 11(5):421–9. PMID:17482132
- 2617.** Tirumala R, Rout P, Jayaseelan E, Shet A, Devi S, Kumar KR (2011). Paraneoplastic multicentric reticulohistiocytosis: a clinicopathologic challenge. *Indian J Dermatol Venereol Leprol*. 77(3):318–20. PMID:21508571
- 2618.** Titgemeyer C, Grois N, Minkov M, Flucher-Wolfram B, Gatterer-Menz I, Gadner H (2001). Pattern and course of single-system disease in Langerhans cell histiocytosis data from the DAL-HX 83- and 90-study. *Med Pediatr Oncol*. 37(2):108–14. PMID:11496348
- 2619.** Tjalma WA, Siozopoulou V, Huizing MT (2017). A clitoral verrucous carcinoma in an area of lichen planus has aggressive features. *World J Surg Oncol*. 15(1):7. PMID:28061900
- 2620.** Toker C (1972). Trabecular carcinoma of the skin. *Arch Dermatol*. 105(1):107–10. PMID:5009611
- 2621.** Tokura Y, Ishihara S, Tagawa S, Seo N, Ohshima K, Takigawa M (2001). Hypersensitivity to mosquito bites as the primary clinical manifestation of a juvenile type of Epstein-Barr virus-associated natural killer cell leukemia/lymphoma. *J Am Acad Dermatol*. 45(4):569–78. PMID:11568749
- 2622.** Tokura Y, Ito T, Kawakami C, Sugita K, Kasuya A, Tatsuno K, et al. (2015). Human T-lymphotropic virus 1 (HTLV-1)-associated lichenoid dermatitis induced by CD8+ T cells in HTLV-1 carrier, HTLV-1-associated myelopathy/tropical spastic paraparesis and adult T-cell leukemia/lymphoma. *J Dermatol*. 42(10):967–74. PMID:26077665
- 2623.** Tokura Y, Yamanaka K, Wakita H, Kurokawa S, Horiguchi D, Usui A, et al. (1994). Halo congenital nevus undergoing spontaneous regression. Involvement of T-cell immunity in involution and presence of circulating anti-nevus cell IgM antibodies. *Arch Dermatol*. 130(8):1036–41. PMID:8053701
- 2624.** Tomaszewski MM, Lupton GP (1998). Unusual expression of S-100 protein in histiocytic neoplasms. *J Cutan Pathol*. 25(3):129–35. PMID:9550310
- 2625.** Tomlins SA, Palanisamy N, Brenner JC, Stall JN, Siddiqui J, Thomas DG, et al. (2013). Usefulness of a monoclonal ERG/FLI1 antibody for immunohistochemical discrimination of Ewing family tumors. *Am J Clin Pathol*. 139(6):771–9. PMID:23690120
- 2626.** Torchia EC, Jaishankar S, Baker SJ (2003). Ewing tumor fusion proteins block the differentiation of pluripotent marrow stromal cells. *Cancer Res*. 63(13):3464–8. PMID:12839926
- 2627.** Toribio J, Zulaica A, Peteiro C (1987). Tubular apocrine adenoma. *J Cutan Pathol*. 14(2):114–7. PMID:3036918
- 2628.** Toro JR, Beatty M, Sorbara L, Turner ML, White J, Kingma DW, et al. (2000). Gamma delta T-cell lymphoma of the skin: a clinical, microscopic, and molecular study. *Arch Dermatol*. 136(8):1024–32. PMID:10926739
- 2629.** Toro JR, Liewehr DJ, Pabby N, Sorbara L, Raffeld M, Steinberg SM, et al. (2003). Gamma-delta T-cell phenotype is associated with significantly decreased survival in cutaneous T-cell lymphoma. *Blood*. 101(9):3407–12. PMID:12522013
- 2630.** Torrello A, Juez A, Hernández A, Colmenero I (2009). Multiple lichenoid juvenile xanthogranuloma. *Pediatr Dermatol*. 26(2):238–40. PMID:19419490
- 2631.** Tosti A, Baran R, Morelli R, Fanti PA, Peserico A (1994). Progressive fading of longitudinal melanonychia due to a nail matrix melanocytic nevus in a child. *Arch Dermatol*. 130(8):1076–7. PMID:8053713
- 2632.** Tosti A, Baran R, Piraccini BM, Cameli N, Fanti PA (1996). Nail matrix nevus: a clinical and histopathologic study of twenty-two patients. *J Am Acad Dermatol*. 34(5 Pt 1):765–71. PMID:8632071
- 2633.** Totonchy MB, Tamura D, Pantell MS, Zalewski C, Bradford PT, Merchant SN, et al. (2013). Auditory analysis of xeroderma pigmentosum 1971–2012: hearing function, sun sensitivity and DNA repair predict neurological degeneration. *Brain*. 136(Pt 1):194–208. PMID:23365097
- 2634.** Tournalaki A, Recalcati S, Boneschi V, Gaiani F, Colombo A, Mancuso R, et al. (2013). Anaplastic Kaposi's sarcoma: a study of eight patients. *Eur J Dermatol*. 23(3):382–6. PMID:23783037
- 2635.** Toussaint S, Kamino H (1999). Dysplastic changes in different types of melanocytic nevi. A unifying concept. *J Cutan Pathol*. 26(2):84–90. PMID:10082398
- 2636.** Toz B, Büyükbani N, İnanç M (2016). Multicentric reticulohistiocytosis: rheumatology perspective. *Best Pract Res Clin Rheumatol*. 30(2):250–60. PMID:27886798
- 2637.** Tozawa T, Ackerman AB (1987). Basal cell carcinoma with follicular differentiation. *Am J Dermatopathol*. 9(6):474–82. PMID:2981015
- 2638.** Tozetto-Mendoza TR, Ibrahim KY, Tateno AF, Oliveira CM, Sumita LM, Sanchez MC, et al. (2016). Genotypic distribution of HHV-8 in AIDS individuals without and with Kaposi sarcoma: is genotype B associated with better prognosis of AIDS-KS? *Medicine (Baltimore)*. 95(48):e5291. PMID:27902590
- 2639.** Tracey L, Villuendas R, Dotor AM, Spiteri I, Ortiz P, Garcia JF, et al. (2003). Mycosis fungoides shows concurrent deregulation of multiple genes involved in the TNF signaling pathway: an expression profile study. *Blood*. 102(3):1042–50. PMID:12689942
- 2640.** Traianou A, Ulrich M, Apalla Z, De Vries E, Bakirtzi K, Kalabalikis D, et al. (2012). Risk factors for actinic keratosis in eight European centres: a case-control study. *Br J Dermatol*. 167 Suppl 2:36–42. PMID:22881586
- 2641.** Tran DC, Li S, Henry S, Wood DJ, Chang ALS (2017). An 18-year retrospective study on the outcomes of keratoacanthomas with different treatment modalities at a single academic centre. *Br J Dermatol*. 177(6):1749–51. PMID:27943239
- 2642.** Tran LP, Velanovich V, Kaufmann CR (1994). Familial multiple glomus tumors: report of a pedigree and literature review. *Ann Plast Surg*. 32(1):89–91. PMID:8141540
- 2643.** Tran TA, Deavers MT, Carlson JA, Malpica A (2015). Collision of ductal carcinoma in situ of anogenital mammary-like glands and vulvar sarcomatoid squamous cell carcinoma. *Int J Gynecol Pathol*. 34(5):487–94. PMID:26107561
- 2644.** Tran TA, Hayner-Buchan A, Jones DM, McRorie D, Carlson JA (2007). Cutaneous balloon cell dermatofibroma (fibrous histiocytoma). *Am J Dermatopathol*. 29(2):197–200. PMID:17414448
- 2645.** Tregnago AC, Furlan MV, Bezerra SM, Porto GC, Mendes GG, Henklain JV, et al. (2015). Orbital melanocytoma completely resected with conservative surgery in association with ipsilateral nevus of Ota: report of a case and review of the literature. *Head Neck*. 37(4):E49–55. PMID:24989678
- 2646.** Triay E, Bergman L, Nilsson B, All-Ericsson C, Seregard S (2009). Time trends in the incidence of conjunctival melanoma in Sweden. *Br J Ophthalmol*. 93(11):1524–8. PMID:19628487
- 2647.** Trindade F, Kutzner H, Requena L, Tellechea Ó, Colmenero I (2012). Microvenular hemangioma—an immunohistochemical study of 9 cases. *Am J Dermatopathol*. 34(8):810–2. PMID:23169416
- 2648.** Trindade F, Kutzner H, Tellechea Ó, Requena L, Colmenero I (2012). Hobnail hemangioma reclassified as superficial lymphatic malformation: a study of 52 cases. *J Am Acad Dermatol*. 66(1):112–5. PMID:21821311
- 2649.** Trindade F, Torrello A, Kutzner H, Requena L, Tellechea Ó, Colmenero I (2014). An immunohistochemical study of angiokeratomas of children. *Am J Dermatopathol*. 36(10):796–9. PMID:25243395
- 2650.** Tripoli M, Cordova A, Moschella F (2016). Update on the role of molecular factors and fibroblasts in the pathogenesis of Dupuytren's disease. *J Cell Commun Signal*. 10(4):315–30. PMID:27271552
- 2651.** Trombetta D, Magnusson L, von Steyern FV, Hornick JL, Fletcher CD, Mertens F (2011). Translocation t(7;19)(q22;q13)—a recurrent chromosome aberration in pseudomyogenic hemangiopericytoma? *Cancer Genet*. 204(4):211–5. PMID:21536240
- 2652.** Tronnier M, Vogelbruch M (2007). Atypical fibroxanthoma arising in an area of syringocystadenoma papilliferum associated with nevus sebaceus: positivity of the atypical fibroxanthoma component for CD31. *J Cutan Pathol*. 34 Suppl 1:58–63. PMID:17997741
- 2653.** Trotter MJ, Whittaker SJ, Orchard GE, Smith NP (1997). Cutaneous histopathology of Sézary syndrome: a study of 41 cases with a proven circulating T-cell clone. *J Cutan Pathol*. 24(5):286–91. PMID:9194581
- 2654.** Trovik CS, Bauer HC, Alvegård TA, Anderson H, Blomqvist C, Berlin O, et al. (2000). Surgical margins, local recurrence and metastasis in soft tissue sarcomas: 559 surgically-treated patients from the Scandinavian Sarcoma Group Register. *Eur J Cancer*. 36(6):710–6. PMID:10762742
- 2655.** Trown K, Heenan PJ (1994). Malignant mixed tumor of the skin (malignant chondroid syringoma). *Pathology*. 26(3):237–40. PMID:7991276
- 2656.** Troy JL, Ackerman AB (1984). Sebaceoma. A distinctive benign neoplasm of adnexal epithelium differentiating toward sebaceous cells. *Am J Dermatopathol*. 6(1):7–10. PMID:6703260
- 2657.** Tsai JH, Hsiao TL, Chen YY, Hsiao CH, Liao JY (2014). Endocrine mucin-producing sweat gland carcinoma occurring on extra-facial site: a case report. *J Cutan Pathol*. 41(6):544–7. PMID:24673415
- 2658.** Tsai JW, Huang HY, Lee JC, Yen HS, Tung CL, Huang CC, et al. (2011). Composite haemangiopericytoma: report of four cases with emphasis on atypical clinical presentation. *Pathology*. 43(2):176–80. PMID:21233661
- 2659.** Tsang WY, Chan JK (1993). The family of epithelioid vascular tumors. *Histol Histopathol*. 8(1):187–212. PMID:8443431
- 2660.** Tsao H, Bevona C, Goggins W, Quinn T (2003). The transformation rate of moles (melanocytic nevi) into cutaneous melanoma: a population-based estimate. *Arch Dermatol*. 139(3):282–8. PMID:12622518
- 2661.** Tse JY, Nguyen AT, Le LP, Hoang WP (2013). Microcystic adnexal carcinoma versus desmoplastic trichoepithelioma: a comparative study. *Am J Dermatopathol*. 35(1):58–65. PMID:22722464
- 2662.** Tse JY, Pawlak AC, Boussettman C, Routhier CA, Dias-Santagata D, Kalomeni G, et al. (2013). Basal cell carcinoma with osteosarcomatous component. *Am J Dermatopathol*. 35(2):261–5. PMID:23221485
- 2663.** Tse JY, Walls BE, Pomerantz H, Hsu CH, Buchbinder EJ, Wernicki AE, et al. (2016). Melanoma arising in a nevus of the nose: novel genetic mutations and a review of the literature on cutaneous malignant transformation of dermal melanocytosis. *J Cutan Pathol*. 43(1):57–63. PMID:26260725
- 2664.** Tseng D, Kim J, Warrick A, Nelson D,



- Pukay M, Beadling C, et al. (2014). Oncogenic mutations in melanomas and benign melanocytic nevi of the female genital tract. *J Am Acad Dermatol*. 71(2):229–36. PMID:24842760
2665. Tsukamoto Y, Katsunobu Y, Omura Y, Maeda I, Hirai M, Teshima H, et al. (2006). Subcutaneous panniculitis-like T-cell lymphoma: successful initial treatment with prednisolone and cyclosporin A. *Intern Med*. 45(1):21–4. PMID:16467600
2666. Tsukasaki K, Tsushima H, Yamamura M, Hata T, Murata K, Maeda T, et al. (1997). Integration patterns of HTLV-I provirus in relation to the clinical course of ATL: frequent clonal change at crisis from indolent disease. *Blood*. 89(3):948–56. PMID:9028326
2667. Tucker MA, Halpern A, Holly EA, Hartge P, Elder DE, Sagebiel RW, et al. (1997). Clinically recognized dysplastic nevi. A central risk factor for cutaneous melanoma. *JAMA*. 277(18):1439–44. PMID:9145715
2668. Tuomala S, Eskelin S, Tarkkanen A, Kivelä T (2002). Population-based assessment of clinical characteristics predicting outcome of conjunctival melanoma in whites. *Invest Ophthalmol Vis Sci*. 43(11):3399–408. PMID:12407149
2669. Turnbull JR, Assaf Ch, Zouboulis C, Tebbe B (2004). Bilateral naevus of Ota: a rare manifestation in a Caucasian. *J Eur Acad Dermatol Venerol*. 18(3):353–5. PMID:15096155
2670. Turnbull JR, Husak R, Treudler R, Zouboulis CC, Orfanos CE (2002). Regression of multiple viral warts in a human immunodeficiency virus-infected patient treated by triple antiretroviral therapy. *Br J Dermatol*. 146(2):330. PMID:11903251
2671. Turner J, Coutts K, Sheren J, Saichaemchan S, Ariyawatyakorn W, Avolio I, et al. (2017). Kinase gene fusions in defined subsets of melanoma. *Pigment Cell Melanoma Res*. 30(1):53–62. PMID:27864876
2672. Tuttle R, Kane JM 3rd (2015). Biopsy techniques for soft tissue and bowel sarcomas. *J Surg Oncol*. 111(5):504–12. PMID:25663366
2673. Ud Din N, Zhang P, Sukov WR, Sattler CA, Jenkins SM, Doyle LA, et al. (2016). Spindle cell lipomas arising at atypical locations. *Am J Clin Pathol*. 146(4):487–95. PMID:27686175
2674. Udagar AM, Ishikawa MK, Lucas DR, McHugh JB, Patel RM (2016). MYC immunohistochemistry in angiosarcoma and atypical vascular lesions: practical considerations based on a single institutional experience. *Pathology*. 48(7):697–704. PMID:27780597
2675. Uddin S, Katzav S, White MF, Platanius LC (1995). Insulin-dependent tyrosine phosphorylation of the vav protooncogene product in cells of hematopoietic origin. *J Biol Chem*. 270(13):7712–6. PMID:7535775
2676. Uguen A, Talagas M, Costa S, Duigou S, Bouvier S, De Braekeleer M, et al. (2015). A p16-Ki-67-HMB45 immunohistochemistry scoring system as an ancillary diagnostic tool in the diagnosis of melanoma. *Diagn Pathol*. 10:195. PMID:26503349
2677. Ungewickell A, Bhaduri A, Rios E, Reuter J, Lee CS, Mah A, et al. (2015). Genomic analysis of mycosis fungoides and Sézary syndrome identifies recurrent alterations in TNFR2. *Nat Genet*. 47(9):1056–60. PMID:26258847
2678. Urošević M, Conrad C, Kamarashev J, Asagoe K, Cozzio A, Burg G, et al. (2005). CD4+CD56+ hematodermic neoplasms bear a plasmacytoid dendritic cell phenotype. *Hum Pathol*. 36(9):1020–4. PMID:16153467
2679. Ushijima M, Tsuneyoshi M, Enjoji M (1984). Dupuytren type fibromatosis. A clinicopathologic study of 62 cases. *Acta Pathol Jpn*. 34(5):991–1001. PMID:6507097
2680. Vaillo-Vinagre A, Ballestin-Carcavilla C, Madero-Garcia S, Pastor Garcia S, Checa Garcia A, Martínez-Tello FJ (2000). Primary angioleiomyoma of the iliac bone: clinical pathological study of one case with flow cytometric DNA content and S-phase fraction analysis. *Skeletal Radiol*. 29(3):181–5. PMID:10794558
2681. Vakilzadeh F (1987). Pilar sheath acanthoma. *Hautarzt*. 38(1):40–2. [German] PMID:3557980
2682. Val-Bernal JF, de Sa Dehesa J, Garijo MF, Val D (2002). Cutaneous lipomatous neurofibroma. *Am J Dermatopathol*. 24(3):246–50. PMID:12140442
2683. Val-Bernal JF, Figols J, Vázquez-Barquero A (1995). Cutaneous plexiform schwannoma associated with neurofibromatosis type 2. *Cancer*. 76(7):1181–6. PMID:8630895
2684. Val-Bernal JF, González-Vela MC (2005). Cutaneous lipomatous neurofibroma: characterization and frequency. *J Cutan Pathol*. 32(4):274–9. PMID:15769276
2685. Val-Bernal JF, Mira C (1996). Dermatofibroma with granular cells. *J Cutan Pathol*. 23(6):562–5. PMID:9001988
2686. Valent P, Akin C, Hartmann K, Nilsson G, Reiter A, Hermine O, et al. (2017). Advances in the classification and treatment of mastocytosis: current status and outlook toward the future. *Cancer Res*. 77(6):1261–70. PMID:28254862
2687. Valent P, Akin C, Metcalfe DD (2017). Mastocytosis: 2016 updated WHO classification and novel emerging treatment concepts. *Blood*. 129(11):1420–7. PMID:28031180
2688. Valent P, Escobedo L, Broesby-Olsen S, Hartmann K, Grattan C, Brockow K, et al. (2014). Proposed diagnostic algorithm for patients with suspected mastocytosis: a proposal of the European Competence Network on Mastocytosis. *Allergy*. 69(10):1267–74. PMID:24836395
2689. van der Horst MP, Garcia-Herrera A, Markiewicz D, Martin B, Calonje E, Brenn T (2016). Squamoid eccrine ductal carcinoma: a clinicopathologic study of 30 cases. *Am J Surg Pathol*. 40(6):755–60. PMID:26796504
2690. van der Horst MP, Marusic Z, Hornick JL, Luzar B, Brenn T (2015). Morphologically low-grade spiradenocarcinoma: a clinicopathologic study of 19 cases with emphasis on outcome and MYB expression. *Mod Pathol*. 28(7):944–53. PMID:25857824
2691. van der Putte SC (1994). Mammary-like glands of the vulva and their disorders. *Int J Gynecol Pathol*. 13(2):150–60. PMID:8005737
2692. van der Zwan JM, Trama A, Otter R, Larrañaga N, Tavilla A, Marcos-Gragera R, et al. (2013). Rare neuroendocrine tumours: results of the Surveillance of Rare Cancers in Europe project. *Eur J Cancer*. 49(11):2565–78. PMID:23541566
2693. van Dijk MC, Bernsen MR, Ruiter DJ (2005). Analysis of mutations in B-RAF, N-RAS, and H-RAS genes in the differential diagnosis of Spitz nevus and spitzoid melanoma. *Am J Surg Pathol*. 29(9):1145–51. PMID:16096402
2694. van Haalen FM, Bruggink SC, Gussekloo J, Assendelft WJ, Eekhof JA (2009). Warts in primary schoolchildren: prevalence and relation with environmental factors. *Br J Dermatol*. 161(1):148–52. PMID:19438464
2695. van Kester MS, Borg MK, Zoutman WH, Out-Luiting JJ, Jansen PM, Dreef EJ, et al. (2012). A meta-analysis of gene expression data identifies a molecular signature characteristic for tumor-stage mycosis fungoides. *J Invest Dermatol*. 132(8):2050–9. PMID:22513784
2696. van Kester MS, Tensen CP, Vermeer MH, Dijkman R, Mulder AA, Szuhai K, et al. (2010). Cutaneous anaplastic large cell lymphoma and peripheral T-cell lymphoma NOS show distinct chromosomal alterations and differential expression of chemokine receptors and apoptosis regulators. *J Invest Dermatol*. 130(2):563–75. PMID:19710685
2697. Van Neer FJ, Toonstra J, Van Voorst Vader PC, Willemze R, Van Vloten WA (2001). Lymphomatoid papulosis in children: a study of 10 children registered by the Dutch Cutaneous Lymphoma Working Group. *Br J Dermatol*. 144(2):351–4. PMID:11251571
2698. van Praag MC, Bavnick JN, Bergman W, Rosendaal FR, Mommaas AM, Bruynzeel I, et al. (1993). PUVA keratosis. A clinical and histopathologic entity associated with an increased risk of nonmelanoma skin cancer. *J Am Acad Dermatol*. 28(3):412–7. PMID:8445056
2699. Van Raamsdonk CD, Bezbroekove V, Green G, Bauer J, Gaugler L, O'Brien JM, et al. (2009). Frequent somatic mutations of GNAQ in uveal melanoma and blue naevi. *Nature*. 457(7229):599–602. PMID:19078957
2700. Van Raamsdonk CD, Griewank KG, Crosby MB, Garrido MC, Vemula S, Wiesner T, et al. (2010). Mutations in GNA11 in uveal melanoma. *N Engl J Med*. 363(23):2191–9. PMID:21083380
2701. van Vugt LJ, van der Vleuten CJM, Flucke U, Blokx WAM (2017). The utility of GLUT1 as a diagnostic marker in cutaneous vascular anomalies: a review of literature and recommendations for daily practice. *Pathol Res Pract*. 213(6):591–7. PMID:28552538
2702. van Zuuren EJ, Posma AN (2003). Diffuse neurofibroma on the lower back. *J Am Acad Dermatol*. 48(6):938–40. PMID:12789188
2703. van Doorn R, Dijkman R, Vermeer MH, Out-Luiting JJ, van der Raaij-Helmer EM, Willemze R, et al. (2004). Aberrant expression of the tyrosine kinase receptor EphA4 and the transcription factor twist in Sézary syndrome identified by gene expression analysis. *Cancer Res*. 64(16):5578–86. PMID:15313894
2704. van Doorn R, Scheffer E, Willemze R (2002). Follicular mycosis fungoides, a distinct disease entity with or without associated follicular mucinosis: a clinicopathologic and follow-up study of 51 patients. *Arch Dermatol*. 138(2):191–8. PMID:11843638
2705. van Doorn R, Van Haselen CW, van Voorst Vader PC, Geerts ML, Heule F, de Rie M, et al. (2000). Mycosis fungoides: disease evolution and prognosis of 309 Dutch patients. *Arch Dermatol*. 136(4):504–10. PMID:10768649
2706. van Gorp J, van der Putte SC (1993). Periungual eccrine porocarcinoma. *Dermatology*. 187(1):67–70. PMID:8391881
2707. Van Hoyweghen I, Horstman K, Schepers R (2007). Genetic 'risk carriers' and lifestyle 'risk takers'. Which risks deserve our legal protection in insurance? *Health Care Anal*. 15(3):179–93. PMID:17922196
2708. van Maldegem F, van Dijk R, Wormhoudt TA, Kluijn PM, Willemze R, Ceroni L, et al. (2008). The majority of cutaneous marginal zone B-cell lymphomas expresses class-switched immunoglobulins and develops in a T-helper type 2 inflammatory environment. *Blood*. 112(8):3355–61. PMID:18687986
2709. van Santen S, Roach RE, van Doorn R, Horváth B, Bruijn MS, Sanders CJ, et al. (2016). Clinical staging and prognostic factors in folliculotropic mycosis fungoides. *JAMA Dermatol*. 152(9):992–1000. PMID:27276223
2710. van Santen S, van Doorn R, Neelis KJ, Daniëls LA, Horváth B, Bruijn MS, et al. (2017). Recommendations for treatment in folliculotropic mycosis fungoides: report of the Dutch Cutaneous Lymphoma Group. *Br J Dermatol*. 177(1):223–8. PMID:28132406
2711. Vang R, Cohen PR (1999). Ectopic hidradenoma papilliferum: a case report and review of the literature. *J Am Acad Dermatol*. 41(1):115–8. PMID:10411423
2712. Vanni R, Fletcher CD, Sciort R, Dal Cin P, De Wever I, Mandahl N, et al. (2000). Cytogenetic evidence of clonality in cutaneous benign fibrous histiocytomas: a report of the CHAMP study group. *Histopathology*. 37(3):212–7. PMID:10971696
2713. Vano-Galvan S, Moreno C, Vano-Galvan E, Arrazola JM, Muñoz-Zato E, Jaen P (2008). Solitary naevus lipomatous cutaneous superficialis on the sole. *Eur J Dermatol*. 18(3):353–4. PMID:18474480
2714. Vaqué JP, Gómez-López G, Monsálvez V, Varela I, Martínez N, Pérez C, et al. (2014). PLCG1 mutations in cutaneous T-cell lymphomas. *Blood*. 123(13):2034–43. PMID:24497536
2715. Varey AHR, Goumas C, Hong AM, Mann GJ, Fogarty GB, Stretch JR, et al. (2017). Neurotropic melanoma: an analysis of the clinicopathological features, management strategies and survival outcomes for 671 patients treated at a tertiary referral center. *Mod Pathol*. 30(11):1538–50. PMID:28731051
2716. Alvarez-Cuesta CC, Raya-Aguado C, Vázquez-López F, García PB, Pérez-Oliva N (2002). Nevus of Ota associated with ipsilateral deafness. *J Am Acad Dermatol*. 47(5 Suppl):S257–9. PMID:12399743
2717. Alvarez-Twose I, González P, Morgado JM, Jara-Acevedo M, Sánchez-Muñoz L, Matito A, et al. (2012). Complete response after imatinib mesylate therapy in a patient with well-differentiated systemic mastocytosis. *J Clin Oncol*. 30(12):e126–9. PMID:22370312
2718. Álvarez-Twose I, Jara-Acevedo M, Morgado JM, García-Montero A, Sánchez-Muñoz L, Teodósio C, et al. (2016). Clinical, immunophenotypic, and molecular characteristics of well-differentiated systemic mastocytosis. *J Allergy Clin Immunol*. 137(1):168–78.e1. PMID:26100086
2719. Varikatt W, Soper J, Simmons G, Dave C, Munk J, Bonar F (2008). Superficial acral fibromyxoma: a report of two cases with radiological findings. *Skeletal Radiol*. 37(6):499–503. PMID:18327578
2720. Varshey A, Goyal T, Zawar V, Tinguely N, Kempf W (2016). Disseminated anetoderma in a patient with nodal Epstein-Barr virus-associated classical Hodgkin lymphoma: anetodermic form of a concurrent discordant cutaneous marginal zone lymphoma. *Int J Dermatol*. 55(7):739–44. PMID:26945704
2721. Vasmatzis G, Johnson SH, Knudson RA, Ketterling RP, Braggio E, Fonseca R, et al. (2012). Genome-wide analysis reveals recurrent structural abnormalities of TP63 and other p53-related genes in peripheral T-cell lymphoma. *Blood*. 120(11):2280–9. PMID:22855598
2722. Vassallo R, Ryu JH, Colby TV, Hartman T, Limper AH (2000). Pulmonary Langerhans'-cell histiocytosis. *N Engl J Med*. 342(26):1969–78. PMID:10877650
2723. Vazmitel M, Pavlovsky M, Kacerovska D, Michal M, Kazakov DV (2009). Pseudoangiomatous stromal hyperplasia in a complex neoplastic lesion involving anogenital mammary-like glands. *J Cutan Pathol*. 36(10):1117–20. PMID:19508499
2724. Vázquez-Bayo MC, Rodríguez-Bujaldón A, Jiménez-Puya R, Galán M, Vélez A, Moreno JC, et al. (2006). Diffuse cutaneous reticulohistiocytosis. *Actas Dermosifiliogr*. 97(2):118–21. [Spanish] PMID:16595113
2725. Vázquez-Doval J, Sola MA, Contreras-Mejuto F, Redondo P, Soto J, Quintanilla E (1995). Malignant melanoma developing in a speckled lentiginous nevus. *Int J Dermatol*. 34(9):637–8. PMID:7591464
2726. Velez MJ, Billings SD, Weaver JA (2016). Fibroblastic connective tissue nevus. *J Cutan Pathol*. 43(1):75–9. PMID:26268513
2727. Vella JE, Taibjee SM, Sanders DS, Stelakis M, Carr RA (2008). Fibroadenoma of the



- anogenital region. *J Clin Pathol.* 61(7):871–2. PMID:18587019
- 2728.** Velusamy T, Kiel MJ, Sahasrabudde AA, Rolland D, Dixon CA, Bailey NG, et al. (2014). A novel recurrent NPM1-TYK2 gene fusion in cutaneous CD30-positive lymphoproliferative disorders. *Blood.* 124(25):3768–71. PMID:25349176
- 2729.** Vencio EF, Jenkins RB, Schiller JL, Huynh TV, Wenger DD, Inwards CY, et al. (2007). Clonal cytogenetic abnormalities in Erdheim-Chester disease. *Am J Surg Pathol.* 31(2):319–21. PMID:17255779
- 2730.** Vener C, Soligo D, Berti E, Gianelli U, Servida F, Ceretti E, et al. (2007). Indeterminate cell histiocytosis in association with later occurrence of acute myeloblastic leukaemia. *Br J Dermatol.* 156(6):1357–61. PMID:17459045
- 2731.** Vente C, Neumann C, Bertsch H, Rupprecht R, Happle R (2004). Speckled lentiginous nevus syndrome: report of a further case. *Dermatology.* 209(3):228–9. PMID:15459538
- 2732.** Vergier B, Belaud-Rotureau MA, Benassy MN, Beylot-Barry M, Dubus P, Delaunay M, et al. (2004). Neoplastic cells do not carry bcl2-JH rearrangements detected in a subset of primary cutaneous follicle center B-cell lymphomas. *Am J Surg Pathol.* 28(6):748–55. PMID:15166666
- 2733.** Vergier B, de Muret A, Beylot-Barry M, Vaillant L, Ekouevi D, Chene G, et al. (2000). Transformation of mycosis fungoides: clinicopathological and prognostic features of 45 cases. *Blood.* 95(7):2212–8. PMID:10733487
- 2734.** Vergier B, Laharanne E, Prochazkova-Carlotti M, de la Fouchardière A, Merlio JP, Kadlub N, et al. (2016). Proliferative nodules vs melanoma arising in giant congenital melanocytic nevi during childhood. *JAMA Dermatol.* 152(10):1147–51. PMID:27486690
- 2735.** Verkouteren JAC, Ramdas KHR, Wakke M, Nijsten T (2017). Epidemiology of basal cell carcinoma: scholarly review. *Br J Dermatol.* 177(2):359–72. PMID:28220485
- 2736.** Vermeer MH, Geelen FA, Kummer JA, Meijer CJ, Willemze R (1999). Expression of cytotoxic proteins by neoplastic T cells in mycosis fungoides increases with progression from plaque stage to tumor stage disease. *Am J Pathol.* 154(4):1203–10. PMID:10233858
- 2737.** Vermeer MH, Geelen FA, van Haselen CW, van Voorst Vader PC, Geerts ML, van Vloten WA, et al. (1996). Primary cutaneous large B-cell lymphomas of the legs. A distinct type of cutaneous B-cell lymphoma with an intermediate prognosis. *Arch Dermatol.* 132(11):1304–8. PMID:8915307
- 2738.** Vermeer MH, van Doorn R, Dijkman R, Mao X, Whittaker S, van Voorst Vader PC, et al. (2008). Novel and highly recurrent chromosomal alterations in Sézary syndrome. *Cancer Res.* 68(8):2689–98. PMID:18413736
- 2739.** Vermi W, Facchetti F, Rosati S, Vergoni F, Rossi E, Festa S, et al. (2004). Nodal and extranodal tumor-forming accumulation of plasmacytoid monocytes/interferon-producing cells associated with myeloid disorders. *Am J Surg Pathol.* 28(5):585–95. PMID:15105645
- 2740.** Veugelaers M, Wilkes D, Burton K, McDermott DA, Song Y, Goldstein MM, et al. (2004). Comparative PRKAR1A genotype-phenotype analyses in humans with Carney complex and *prkar1a* haploinsufficient mice. *Proc Natl Acad Sci U S A.* 101(39):14222–7. PMID:15371594
- 2741.** Veyssier-Belot C, Cacoub P, Caparros-Lefebvre D, Wechsler J, Brun B, Remy M, et al. (1996). Erdheim-Chester disease. Clinical and radiologic characteristics of 59 cases. *Medicine (Baltimore).* 75(3):157–69. PMID:8965684
- 2742.** Vezzoli P, Fiorani R, Girenti V, Fanoni D, Tavecchio S, Balice Y, et al. (2011). Cutaneous T-cell/histiocyte-rich B-cell lymphoma: a case report and review of the literature. *Dermatology.* 222(3):225–30. PMID:21540569
- 2743.** Vilain RE, McCarthy SW, Thompson JF, Scolyer RA (2015). BAP1-inactivated spitzoid naevi. *Am J Surg Pathol.* 39(5):722. PMID:25871468
- 2744.** Virgili A, Marzola A, Corazza M (2000). Vulvar hidradenoma papilliferum. A review of 10.5 years' experience. *J Reprod Med.* 45(8):616–8. PMID:10986678
- 2745.** Virgili G, Gatta G, Ciccolallo L, Capocaccia R, Biggeri A, Crocetti E, et al. (2007). Incidence of uveal melanoma in Europe. *Ophthalmology.* 114(12):2309–15. PMID:17498805
- 2746.** Viros A, Fridlyand J, Bauer J, Lasithiotakis K, Garbe C, Pinkel D, et al. (2008). Improving melanoma classification by integrating genetic and morphologic features. *PLoS Med.* 5(6):e120. PMID:18532874
- 2747.** Vitte F, Fabiani B, Béné C, Dalac S, Balme B, Delattre C, et al. (2012). Specific skin lesions in chronic myelomonocytic leukemia: a spectrum of myelomonocytic and dendritic cell proliferations: a study of 42 cases. *Am J Surg Pathol.* 36(9):1302–16. PMID:22895265
- 2748.** Vivancos A, Caratú G, Matito J, Muñoz E, Ferrer B, Hernández-Losa J, et al. (2016). Genetic evolution of nevus of Ota reveals clonal heterogeneity acquiring BAP1 and TP53 mutations. *Pigment Cell Melanoma Res.* 29(2):247–53. PMID:26701415
- 2749.** Vocke CD, Ricketts CJ, Merino MJ, Srinivasan R, Metwalli AR, Middleton LA, et al. (2017). Comprehensive genomic and phenotypic characterization of germline FH deletion in hereditary leiomyomatosis and renal cell carcinoma. *Genes Chromosomes Cancer.* 56(6):484–92. PMID:28196407
- 2750.** von Hochstetter AR, Meyer VE, Grant JW, Honegger HP, Schreiber A (1991). Epithelioid sarcoma mimicking angiosarcoma: the value of immunohistochemistry in the differential diagnosis. *Virchows Arch A Pathol Anat Histopathol.* 418(3):271–8. PMID:1900974
- 2751.** von Levetzow C, Jiang X, Gwee Y, von Levetzow G, Hung L, Cooper A, et al. (2011). Modeling initiation of Ewing sarcoma in human neural crest cells. *PLoS One.* 6(4):e19305. PMID:21559395
- 2752.** Vonderheid EC, Pavlov I, Delgado JC, Martins TB, Telang GH, Hess AD, et al. (2014). Prognostic factors and risk stratification in early mycosis fungoides. *Leuk Lymphoma.* 55(1):44–50. PMID:23547839
- 2753.** Vonderheid EC, Pena J, Nowell P (2006). Sézary cell counts in erythrodermic cutaneous T-cell lymphoma: implications for prognosis and staging. *Leuk Lymphoma.* 47(9):1841–56. PMID:17064997
- 2754.** Vourch-Jourdain M, Martin L, Barbarot S (2013). Large congenital melanocytic nevi: therapeutic management and melanoma risk: a systematic review. *J Am Acad Dermatol.* 68(3):493–8.e1–14. PMID:23182059
- 2755.** Wada DA, Law ME, Hsi ED, Dicaudo DJ, Ma L, Lim MS, et al. (2011). Specificity of IRF4 translocations for primary cutaneous anaplastic large cell lymphoma: a multicenter study of 204 skin biopsies. *Mod Pathol.* 24(4):596–605. PMID:21169992
- 2756.** Wada M, Ito T, Tsuji G, Nakahara T, Hagihara A, Furue M, et al. (2017). Acral lentiginous melanoma versus other melanoma: a single-center analysis in Japan. *J Dermatol.* 44(8):932–8. PMID:28342269
- 2757.** Wada T, Toga A, Sakakibara Y, Toma T, Hasegawa M, Takehara K, et al. (2012). Clonal expansion of Epstein-Barr virus (EBV)-infected  $\gamma\delta$  T cells in patients with chronic active EBV disease and hydroa vacciniforme-like eruptions. *Int J Hematol.* 96(4):443–9. PMID:22886572
- 2758.** Wadhera A, Fazio M, Bricca G, Stanton O (2006). Metastatic basal cell carcinoma: a case report and literature review. How accurate is our incidence data? *Dermatol Online J.* 12(5):7. PMID:16962022
- 2759.** Wadt K, Choi J, Chung JY, Kilgaard J, Heegaard S, Drzewiecki KT, et al. (2012). A cryptic BAP1 splice mutation in a family with uveal and cutaneous melanoma, and paraganglioma. *Pigment Cell Melanoma Res.* 25(6):815–8. PMID:22889334
- 2760.** Wadt KA, Aoude LG, Johansson P, Solinas A, Pritchard A, Crainic O, et al. (2015). A recurrent germline BAP1 mutation and extension of the BAP1 tumor predisposition spectrum to include basal cell carcinoma. *Clin Genet.* 88(3):267–72. PMID:25225168
- 2761.** Wahl CE, Todd DH, Binder SW, Casarino DS (2009). Apocrine hidradenocarcinoma showing Paget's disease and mucinous metaplasia. *J Cutan Pathol.* 36(5):582–5. PMID:19476529
- 2762.** Walling HW (2009). Primary hyperhidrosis increases the risk of cutaneous infection: a case-control study of 387 patients. *J Am Acad Dermatol.* 61(2):242–6. PMID:19395123
- 2763.** Walsh N, Ackerman AB (1990). Infundibulocystic basal cell carcinoma: a newly described variant. *Mod Pathol.* 3(5):599–608. PMID:2235986
- 2764.** Walsh N, Crotty K, Palmer A, McCarthy S (1998). Spitz nevus versus spitzoid malignant melanoma: an evaluation of the current distinguishing histopathologic criteria. *Hum Pathol.* 29(10):1105–12. PMID:9781649
- 2765.** Walsh NM (2001). Primary neuroendocrine (Merkel cell) carcinoma of the skin: morphologic diversity and implications thereof. *Hum Pathol.* 32(7):680–9. PMID:11486166
- 2766.** Walsh NM (2016). Complete spontaneous regression of Merkel cell carcinoma (1986–2016): a 30 year perspective. *J Cutan Pathol.* 43(12):1150–4. PMID:27596690
- 2767.** Walsh SN, Hurt MA, Santa Cruz DJ (2007). Psoriasisiform keratosis. *Am J Dermatopathol.* 29(2):137–40. PMID:17414434
- 2768.** Walther BS, Gibbons G, Chan EF, Ziselman E, Rothfleisch JE, Willard RJ, et al. (2009). Leukemia cutis (involving chronic lymphocytic leukemia) within excisional specimens: a series of 6 cases. *Am J Dermatopathol.* 31(2):162–5. PMID:19318802
- 2769.** Walther C, Hofvander J, Nilsson J, Magnusson L, Domanski HA, Gisselsson D, et al. (2015). Gene fusion detection in formalin-fixed paraffin-embedded benign fibrous histiocytomas using fluorescence in situ hybridization and RNA sequencing. *Lab Invest.* 95(9):1071–6. PMID:26121314
- 2770.** Walther C, Tayebwa J, Liljebjörn H, Magnusson L, Nilsson J, von Steyern FV, et al. (2014). A novel SERPINE1-FOSB fusion gene results in transcriptional up-regulation of FOSB in pseudomyogenic haemangioendothelioma. *J Pathol.* 232(5):534–40. PMID:24374978
- 2771.** Wambacher-Gasser B, Zelger B, Zelger BG, Steiner H (1997). Clear cell dermatofibroma. *Histopathology.* 30(1):64–9. PMID:9023559
- 2772.** Wang AR, May D, Bourne P, Scott G (1999). PGP9.5: a marker for cellular neurothekeoma. *Am J Surg Pathol.* 23(11):1401–7. PMID:10555009
- 2773.** Wang E, Lee JS, Kazakov DV (2013). A rare combination of sebaceoma with carcinomatous change (sebaceous carcinoma), trichoblastoma, and poroma arising from a nevus sebaceus. *J Cutan Pathol.* 40(7):676–82. PMID:23550845
- 2774.** Wang HH, Myers T, Lach LJ, Hsieh CC, Kadin ME (1999). Increased risk of lymphoid and nonlymphoid malignancies in patients with lymphomatoid papulosis. *Cancer.* 86(7):1240–5. PMID:10506709
- 2775.** Wang L, Gao T, Wang G (2014). Verrucous hemangioma: a clinicopathological and immunohistochemical analysis of 74 cases. *J Cutan Pathol.* 41(11):823–30. PMID:25263605
- 2776.** Wang L, Li C, Gao T (2011). Cutaneous intravascular anaplastic large cell lymphoma. *J Cutan Pathol.* 38(2):221–6. PMID:20337769
- 2777.** Wang L, Ni X, Covington KR, Yang BY, Shiu J, Zhang X, et al. (2015). Genomic profiling of Sézary syndrome identifies alterations of key T cell signaling and differentiation genes. *Nat Genet.* 47(12):1426–34. PMID:26551670
- 2778.** Wang L, Yuan W, Geng S, Xiong Y, Zhang D, Zhao X, et al. (2014). Expression of lymphatic markers in angiokeratomas. *J Cutan Pathol.* 41(7):576–81. PMID:24666194
- 2779.** Wang WL, Bones-Valentin RA, Prieto VG, Pollock RE, Lev DC, Lazar AJ (2012). Sarcoma metastases to the skin: a clinicopathologic study of 65 patients. *Cancer.* 118(11):2900–4. PMID:21989966
- 2780.** Wang WL, Mayordomo E, Zhang W, Hernandez VS, Tuvin D, Garcia L, et al. (2009). Detection and characterization of EWSR1-ATF1 and EWSR1/CREB1 chimeric transcripts in clear cell sarcoma (melanoma of soft parts). *Mod Pathol.* 22(9):1201–9. PMID:19561568
- 2781.** Wang WL, Torres-Cabala C, Curry JL, Ivan D, McLemore M, Tetzlaff M, et al. (2015). Metastatic atypical fibroxanthoma: a series of 11 cases including with minimal and no subcutaneous involvement. *Am J Dermatopathol.* 37(6):455–61. PMID:25590287
- 2782.** Wang Y, Zhao Y, Ma S (2016). Racial differences in six major subtypes of melanoma: descriptive epidemiology. *BMC Cancer.* 16:591. PMID:27576582
- 2783.** Warkel RL, Helwig EB (1978). Apocrine gland adenoma and adenocarcinoma of the axilla. *Arch Dermatol.* 114(2):198–203. PMID:629545
- 2784.** Warner J, Jones EW (1968). Pyogenic granuloma recurring with multiple satellites. A report of 11 cases. *Br J Dermatol.* 80(4):218–27. PMID:5647967
- 2785.** Warrick E, Garcia M, Chagnoleau C, Chevallier O, Bergoglio V, Sarfati D, et al. (2012). Preclinical corrective gene transfer in xeroderma pigmentosum human skin stem cells. *Mol Ther.* 20(4):798–807. PMID:22068429
- 2786.** Wartchow EP, Goin L, Schreiber J, Mierau GW, Terella A, Allen GC (2009). Pleomorphic fibrohistiocytic tumor: ultrastructural studies may aid in discrimination from cellular neurothekeoma. *Ultrastruct Pathol.* 33(6):286–92. PMID:19929176
- 2787.** Wasco MJ, Fullen D, Su L, Wu L (2008). The expression of MUM1 in cutaneous T-cell lymphoproliferative disorders. *Hum Pathol.* 39(4):557–63. PMID:18234282
- 2788.** Watanabe S, Sawada M, Delic I, Ishizaki S, Fujibayashi M, Tanaka M (2016). Chronology of lichen planus-like keratosis features by dermoscopy: a summary of 17 cases. *Dermatol Pract Concept.* 6(2):29–35. PMID:27222769
- 2789.** Watson P, Vassen HFA, MacKinnon JP, Bernstein I, Aarnio M, Järvinen HJ, et al. (2008). The risk of extra-colonic, extra-endometrial cancer in the Lynch syndrome. *Int J Cancer.* 123(2):444–9. PMID:18398828
- 2790.** Watts CG, Madrono C, Watson RL, Goumas C, Armstrong BK, Curtin A, et al. (2017). Clinical features associated with individuals at higher risk of melanoma: a population-based study. *JAMA Dermatol.* 153(1):23–9. PMID:27829101
- 2791.** Wayne DM, Helwig EB (1968). Histology. *Cancer.* 22(1):69–90. PMID:552416
- 2792.** Weedon D, Little JH (1977). Spindle and epithelioid cell nevi in children and adults: A review of 211 cases of the Spitz nevus. *Cancer.*



- 40(1):217–25. PMID:880553
- 2793.** Wehkamp U, Pott C, Unterhalt M, Koch K, Weichenthal M, Klapper W, et al. (2015). Skin involvement of mantle cell lymphoma may mimic primary cutaneous diffuse large B-cell lymphoma, leg type. *Am J Surg Pathol.* 39(8):1093–101. PMID:26034867
- 2794.** Wehrli MR, Shive ML, Chren MM, Han J, Qureshi AA, Linos E (2012). Indoor tanning and non-melanoma skin cancer: systematic review and meta-analysis. *BMJ.* 345:e5909. PMID:23033409
- 2795.** Wehrli BM, Weiss SW, Yandow S, Coffin CM (2001). Gardner-associated fibromas (GAF) in young patients: a distinct fibrous lesion that identifies unsuspected Gardner syndrome and risk for fibromatosis. *Am J Surg Pathol.* 25(5):645–51. PMID:11342777
- 2796.** Wei L, Liu S, Conroy J, Wang J, Papanicolaou-Sengos A, Glenn ST, et al. (2015). Whole-genome sequencing of a malignant granular cell tumor with metabolic response to pazopanib. *Cold Spring Harb Mol Case Stud.* 1(1):a000380. PMID:27148567
- 2797.** Weigand DA, Burgdorf WH (1980). Perianal apocrine gland adenoma. *Arch Dermatol.* 116(9):1051–3. PMID:7416759
- 2798.** Weinreb I, Bergfeld WF, Patel RM, Ghazarian DM (2009). Apocrine carcinoma in situ of sweat duct origin. *Am J Surg Pathol.* 33(1):155–7. PMID:18971780
- 2799.** Weinreb I, Shaw AJ, Perez-Ordoñez B, Goldblum JR, Rubin BP (2009). Nodular fasciitis of the head and neck region: a clinicopathologic description in a series of 30 cases. *J Cutan Pathol.* 36(11):1168–73. PMID:19469872
- 2800.** Weiss J, Heine M, Grimmel M, Jung EG (1995). Malignant proliferating trichilemmal cyst. *J Am Acad Dermatol.* 32(5 Pt 2):870–3. PMID:7722047
- 2801.** Weiss SW, Enzinger FM (1977). Myxoid variant of malignant fibrous histiocytoma. *Cancer.* 39(4):1672–85. PMID:192434
- 2802.** Weiss SW, Enzinger FM (1982). Epithelioid hemangiioendothelioma: a vascular tumor often mistaken for a carcinoma. *Cancer.* 50(5):970–81. PMID:7093931
- 2803.** Weiss SW, Enzinger FM (1986). Spindle cell hemangiioendothelioma. A low-grade angiosarcoma resembling a cavernous hemangioma and Kaposi's sarcoma. *Am J Surg Pathol.* 10(8):521–30. PMID:3740350
- 2804.** Weitzman S, Jaffe R (2005). Uncommon histiocytic disorders: the non-Langerhans cell histiocytoses. *Pediatr Blood Cancer.* 45(3):256–64. PMID:15547923
- 2805.** Weitzner S (1968). Solitary nevus lipomatosus cutaneus superficialis of scalp. *Arch Dermatol.* 97(5):540–2. PMID:5647029
- 2806.** Welborn J, Fenner S, Parks R (2010). Angioleiomyoma: a benign tumor with karyotypic aberrations. *Cancer Genet Cytogenet.* 199(2):147–8. PMID:20471520
- 2807.** Welch HG, Black WC (2010). Overdiagnosis in cancer. *J Natl Cancer Inst.* 102(9):605–13. PMID:20413742
- 2808.** Wermker K, Roknic N, Goessling K, Klein M, Schulze HJ, Hallermann C (2015). Basosquamous carcinoma of the head and neck: clinical and histologic characteristics and their impact on disease progression. *Neoplasia.* 17(3):301–5. PMID:25810014
- 2809.** West DS, Dogan A, Quint PS, Tricker-Klar ML, Porcher JC, Ketterling RP, et al. (2013). Clonally related follicular lymphomas and Langerhans cell neoplasms: expanding the spectrum of transdifferentiation. *Am J Surg Pathol.* 37(7):978–86. PMID:23759932
- 2810.** Whimster IW (1976). The pathology of lymphangioma circumscriptum. *Br J Dermatol.* 94(5):473–86. PMID:1268059
- 2811.** White WL, Hitchcock MG (1998). Dying dogma: the pathological diagnosis of epidermotropic metastatic malignant melanoma. *Semin Diagn Pathol.* 15(3):176–88. PMID:9711667
- 2812.** Whitehead KJ, Smith MC, Li DY (2013). Arteriovenous malformations and other vascular malformation syndromes. *Cold Spring Harb Perspect Med.* 3(2):a006635. PMID:23125071
- 2813.** Whiteman DC, Watt P, Purdie DM, Hughes MC, Hayward NK, Green AC (2003). Melanocytic nevi, solar keratoses, and divergent pathways to cutaneous melanoma. *J Natl Cancer Inst.* 95(11):806–12. PMID:12783935
- 2814.** Whittaker SJ, Smith NP (1992). Diagnostic value of T-cell receptor beta gene rearrangement analysis on peripheral blood lymphocytes of patients with erythroderma. *J Invest Dermatol.* 99(3):361–2. PMID:1324964
- 2815.** Whittaker SJ, Smith NP, Jones RR, Luzzatto L (1991). Analysis of beta, gamma, and delta T-cell receptor genes in mycosis fungoides and Sezary syndrome. *Cancer.* 68(7):1572–82. PMID:1654197
- 2816.** Wick MR (1990). Malignant peripheral nerve sheath tumors of the skin. *Mayo Clin Proc.* 65(2):279–82. PMID:2304365
- 2817.** Wick MR, Cooper PH, Swanson PE, Kaye VN, Sun TT (1990). Microcystic adnexal carcinoma. An immunohistochemical comparison with other cutaneous appendage tumors. *Arch Dermatol.* 126(2):189–94. PMID:1689137
- 2818.** Wick MR, Mills SE, Ritter JH, Lind AC (1999). Postoperative/posttraumatic spindle cell nodule of the skin: the dermal analogue of nodular fasciitis. *Am J Dermatopathol.* 21(3):220–4. PMID:10380041
- 2819.** Wick MR, Swanson PE (1986). Primary adenoid cystic carcinoma of the skin. A clinical, histological, and immunocytochemical comparison with adenoid cystic carcinoma of salivary glands and adenoid basal cell carcinoma. *Am J Dermatopathol.* 8(1):2–13. PMID:3010759
- 2820.** Wiechers T, Rabenhorst A, Schick T, Preussner LM, Förster A, Valent P, et al. (2015). Large maculopapular cutaneous lesions are associated with favorable outcome in childhood-onset mastocytosis. *J Allergy Clin Immunol.* 136(6):1581–90.e3. PMID:26152315
- 2821.** Wieselthier JS, White WL (1996). Cutaneous metastasis of ocular malignant melanoma. An unusual presentation simulating blue nevi. *Am J Dermatopathol.* 18(3):289–95. PMID:8806964
- 2822.** Wieser I, Oh CW, Talpur R, Duvic M (2016). Lymphomatoid papulosis: treatment response and associated lymphomas in a study of 180 patients. *J Am Acad Dermatol.* 74(1):59–67. PMID:26518172
- 2823.** Wiesner T, Fried I, Ulz P, Stacher E, Popper H, Murali R, et al. (2012). Toward an improved definition of the tumor spectrum associated with BAP1 germline mutations. *J Clin Oncol.* 30(32):e337–40. PMID:23032617
- 2824.** Wiesner T, He J, Yelensky R, Esteve-Puig R, Botton T, Yeh I, et al. (2014). Kinase fusions are frequent in Spitz tumours and spitzoid melanomas. *Nat Commun.* 5:3116. PMID:24445538
- 2825.** Wiesner T, Kiuru M, Scott SN, Arcila M, Halpern AC, Hollmann T, et al. (2015). NF1 mutations are common in desmoplastic melanoma. *Am J Surg Pathol.* 39(10):1357–62. PMID:26076063
- 2826.** Wiesner T, Kutzner H, Cerroni L, Mihm MC Jr, Busam KJ, Murali R (2016). Genomic aberrations in spitzoid melanocytic tumours and their implications for diagnosis, prognosis and therapy. *Pathology.* 48(2):113–31. PMID:27020384
- 2827.** Wiesner T, Murali R, Fried I, Cerroni L, Busam K, Kutzner H, et al. (2012). A distinct subset of atypical Spitz tumors is characterized by BRAF mutation and loss of BAP1 expression. *Am J Surg Pathol.* 36(6):818–30. PMID:22367297
- 2828.** Wiesner T, Obenaus AC, Murali R, Fried I, Griewank KG, Ulz P, et al. (2011). Germline mutations in BAP1 predispose to melanocytic tumors. *Nat Genet.* 43(10):1018–21. PMID:21874003
- 2829.** Wigle JT, Oliver G (1999). Prox1 function is required for the development of the murine lymphatic system. *Cell.* 98(6):769–78. PMID:10499794
- 2830.** Wilk M, Schmoekel C, Kaiser HW, Hepple R, Kreysel HW (1995). Cutaneous angioleiomyoma: a benign neoplasm distinct from cutaneous focal mucinosis. *J Am Acad Dermatol.* 33(2 Pt 2):352–5. PMID:7615884
- 2831.** Wilk M, Zeiger BG, Zeiger B (2015). Fibrosarcomatous dermatofibrosarcoma protuberans with myoid nodules. *J Cutan Pathol.* 42(10):782–5. PMID:26076821
- 2832.** Willemze R, Jaffe ES, Burg G, Cerroni L, Berti E, Swerdlow SH, et al. (2005). WHO-EORTC classification for cutaneous lymphomas. *Blood.* 105(10):3768–85. PMID:15692063
- 2833.** Willemze R, Jansen PM, Cerroni L, Berti E, Santucci M, Assaf C, et al. (2008). Subcutaneous panniculitis-like T-cell lymphoma: definition, classification, and prognostic factors: an EORTC Cutaneous Lymphoma Group Study of 83 cases. *Blood.* 111(2):838–45. PMID:17934071
- 2834.** Willemze R, Kerl H, Sterry W, Berti E, Cerroni L, Chimenti S, et al. (1997). EORTC classification for primary cutaneous lymphomas: a proposal from the Cutaneous Lymphoma Study Group of the European Organization for Research and Treatment of Cancer. *Blood.* 90(1):354–71. PMID:9207472
- 2835.** Willemze R, Meijer CJ (2003). Primary cutaneous CD30-positive lymphoproliferative disorders. *Hematol Oncol Clin North Am.* 17(6):1319–32. vii–viii. PMID:14710887
- 2836.** Williams RF, Fernandez-Pineda I, Gosain A (2016). Pediatric sarcomas. *Surg Clin North Am.* 96(5):1107–25. PMID:27542645
- 2837.** Wilson WH, Kingma DW, Raffeld M, Wittes RE, Jaffe ES (1996). Association of lymphomatoid granulomatosis with Epstein-Barr viral infection of B lymphocytes and response to interferon-alpha 2b. *Blood.* 87(11):4531–7. PMID:8639820
- 2838.** Winchester DS, Gardner KH, Lehman JS, Otley CC (2016). Superficial liposarcoma: a retrospective review of 13 cases. *J Am Acad Dermatol.* 74(2):391–3. PMID:26775787
- 2839.** Winkelmann RK, McLeod WA (1966). The dermal duct tumor. *Arch Dermatol.* 94(1):50–5. PMID:5938222
- 2840.** Winkelmann RR, Rigel DS (2015). Management of dysplastic nevi: a 14-year follow-up survey assessing practice trends among US dermatologists. *J Am Acad Dermatol.* 73(6):1056–9. PMID:26568339
- 2841.** Winnes M, Mölne L, Suurküla M, Andrén Y, Persson F, Enlund F, et al. (2007). Frequent fusion of the CRTCL1 and MAML2 genes in clear cell variants of cutaneous hidradenomas. *Genes Chromosomes Cancer.* 46(6):559–63. PMID:17334997
- 2842.** Wise SR, Capra G, Martin P, Wallace D, Miller C (2010). Malignant melanoma transformation within a nevus of Ito. *J Am Acad Dermatol.* 62(5):869–74. PMID:20074832
- 2843.** Wobser M, Petrella T, Kneitz H, Kerstan A, Goebeler M, Rosenwald A, et al. (2013). Extrafacial indolent CD8-positive cutaneous lymphoid proliferation with unusual symmetrical presentation involving both feet. *J Cutan Pathol.* 40(11):955–61. PMID:24102688
- 2844.** Wobser M, Roth S, Reinartz T, Rosenwald A, Goebeler M, Geissinger E (2015). CD68 expression is a discriminative feature of indolent cutaneous CD8-positive lymphoid proliferation and distinguishes this lymphoma subtype from other CD8-positive cutaneous lymphomas. *Br J Dermatol.* 172(6):1573–80. PMID:25524664
- 2845.** Woestenborghs H, Van Eyken P, Dans A (2006). Syringocystadenocarcinoma papilliferum in situ with pagetoid spread: a case report. *Histopathology.* 48(7):869–70. PMID:16722938
- 2846.** Wolfe JT 3rd, Yeatts RP, Wick MR, Campbell RJ, Waller RR (1984). Sebaceous carcinoma of the eyelid. Errors in clinical and pathologic diagnosis. *Am J Surg Pathol.* 8(8):597–606. PMID:6465419
- 2847.** Wolff K, Komar M, Petzelbauer P (2001). Clinical and histopathological aspects of cutaneous mastocytosis. *Leuk Res.* 25(7):519–28. PMID:11377676
- 2848.** Wolter NE, Adil E, Itrace AL, Werger A, Perez-Atayde AR, Weldon C, et al. (2017). Malignant glomus tumors of the head and neck in children and adults: evaluation and management. *Laryngoscope.* 127(12):2873–82. PMID:28294349
- 2849.** Wong CY, Helm MA, Kalb RE, Helm TN, Zeitouni NC (2013). The presentation, pathology, and current management strategies of cutaneous metastasis. *N Am J Med Sci.* 5(9):499–504. PMID:24251266
- 2850.** Wong TY, Suster S (1994). Tricholemmal carcinoma. A clinicopathologic study of 13 cases. *Am J Dermatopathol.* 16(5):463–73. PMID:7528473
- 2851.** Wong TY, Suster S, Mihm MC (1997). Squamoid eccrine ductal carcinoma. *Histopathology.* 30(3):288–93. PMID:9088963
- 2852.** Wong TY, Suster S, Nogita T, Duncan LM, Dickersin RG, Mihm MC Jr (1994). Clear cell eccrine carcinomas of the skin. A clinicopathologic study of nine patients. *Cancer.* 73(6):1631–43. PMID:7512435
- 2853.** Wong WK, Lim DH, Ong CW (2015). Epithelioid angiomatous nodule of the nasal cavity: report of 2 cases. *Auris Nasus Larynx.* 42(4):341–4. PMID:25728975
- 2854.** Wong YP, Chia WK, Low SF, Mohamed-Hafiah NH, Sharifah NA (2014). Dendritic fibromyxolipoma: a variant of spindle cell lipoma with extensive myxoid change, with cytogenetic evidence. *Pathol Int.* 64(7):346–51. PMID:25047505
- 2855.** Wongchaowart NT, Kim B, Hsi ED, Swerdlow SH, Tubbs RR, Cook JR (2006). t(14;18)(q32;q21) involving IGH and MALT1 is uncommon in cutaneous MALT lymphomas and primary cutaneous diffuse large B-cell lymphomas. *J Cutan Pathol.* 33(4):286–92. PMID:16630178
- 2856.** Woo DK, Jones CR, Vanoli-Storz MN, Kohler S, Reddy S, Advani R, et al. (2009). Prognostic factors in primary cutaneous anaplastic large cell lymphoma: characterization of clinical subset with worse outcome. *Arch Dermatol.* 145(6):667–74. PMID:19528422
- 2857.** Wood A, Mentzel T, van Gorp J, Flucke U, Huschka U, Schneider J, et al. (2015). The spectrum of rare morphological variants of cutaneous epithelioid angiosarcoma. *Histopathology.* 66(6):856–63. PMID:25330326
- 2858.** Wood GS, Hu CH, Beckstead JH, Turner RR, Winkelmann RK (1985). The indeterminate cell proliferative disorder: report of a case manifesting as an unusual cutaneous histiocytosis. *J Dermatol Surg Oncol.* 11(11):1111–9. PMID:3902927
- 2859.** Wood GS, Kamath NV, Guitart J, Heald P, Kohler S, Smoller BR, et al. (2001). Absence of Borrelia burgdorferi DNA in cutaneous B-cell lymphomas from the United States. *J Cutan Pathol.* 28(10):502–7. PMID:11737518
- 2860.** Woodman SE (2012). Metastatic uveal melanoma: biology and emerging treatments. *Cancer J.* 18(2):148–52. PMID:22453016



- 2861.** Woodman SE, Davies MA (2010). Targeting KIT in melanoma: a paradigm of molecular medicine and targeted therapeutics. *Biochem Pharmacol.* 80(5):568–74. PMID:20457136
- 2862.** Woollard WJ, Pullabhatla V, Lorenc A, Patel VM, Butler RM, Bayega A, et al. (2016). Candidate driver genes involved in genome maintenance and DNA repair in Sézary syndrome. *Blood.* 127(26):3387–97. PMID:27121473
- 2863.** Wu G, Barnhill RL, Lee S, Li Y, Shao Y, Easton J, et al. (2016). The landscape of fusion transcripts in spitzoid melanoma and biologically indeterminate spitzoid tumors by RNA sequencing. *Mod Pathol.* 29(4):359–69. PMID:26892443
- 2864.** Wu YH, Su HY, Hsieh YJ (2000). Survey of infectious skin diseases and skin infestations among primary school students of Taitung County, eastern Taiwan. *J Formos Med Assoc.* 99(2):128–34. PMID:10770027
- 2865.** Xi Y, Shen W, Ma L, Zhao M, Zheng J, Bu S, et al. (2016). HMG2 promotes adipogenesis by activating C/EBP $\beta$ -mediated expression of PPAR $\gamma$ . *Biochem Biophys Res Commun.* 472(4):617–23. PMID:26966068
- 2866.** Xie J, Murone M, Luoh SM, Ryan A, Gu Q, Zhang C, et al. (1998). Activating Smooth-mouse mutations in sporadic basal-cell carcinoma. *Nature.* 391(6662):90–2. PMID:9422511
- 2867.** Xing X, Feldman AL (2015). Anaplastic large cell lymphomas: ALK positive, ALK negative, and primary cutaneous. *Adv Anat Pathol.* 22(1):29–49. PMID:25461779
- 2868.** Xiong MY, Rabkin MS, Piepkorn MW, Barnhill RL, Argenyi Z, Erickson L, et al. (2014). Diameter of dysplastic nevi is a more robust biomarker of increased melanoma risk than degree of histologic dysplasia: a case-control study. *J Am Acad Dermatol.* 71(6):1257–8.e4. PMID:25454033
- 2869.** Xu S, Zhao Q, Wei S, Wu Y, Liu J, Shi T, et al. (2015). Next generation sequencing uncovers potential genetic driver mutations of malignant pulmonary granular cell tumor. *J Thorac Oncol.* 10(10):e106–9. PMID:26398830
- 2870.** Xu XL, Xu CR, Chen H, Cao YH, Zeng XS, Sun JF, et al. (2010). Eruptive microvascular hemangiomas in 4 Chinese patients: clinicopathologic correlation and review of the literature. *Am J Dermatopathol.* 32(8):837–40. PMID:20881833
- 2871.** Xu Z, Lian S (2010). Epstein-Barr virus-associated hydroa vacciniforme-like cutaneous lymphoma in seven Chinese children. *Pediatr Dermatol.* 27(5):463–9. PMID:20497358
- 2872.** Yamaguchi U, Hasegawa T, Hirose T, Fugo K, Mitsuhashi T, Shimizu M, et al. (2003). Sclerosing perineurioma: a clinicopathological study of five cases and diagnostic utility of immunohistochemical staining for GLUT1. *Virchows Arch.* 443(2):159–63. PMID:12836021
- 2873.** Yamakawa N, Fujimoto M, Kawabata D, Terao C, Nishikori M, Nakashima R, et al. (2014). A clinical, pathological, and genetic characterization of methotrexate-associated lymphoproliferative disorders. *J Rheumatol.* 41(2):293–9. PMID:24334644
- 2874.** Yamamoto O, Nakayama K, Asahi M (1992). Sweat gland carcinoma with mucinous and infiltrating duct-like patterns. *J Cutan Pathol.* 19(4):334–9. PMID:1331212
- 2875.** Yamamoto O, Yasuda H (1999). An immunohistochemical study of the apocrine type of cutaneous mixed tumors with special reference to their follicular and sebaceous differentiation. *J Cutan Pathol.* 26(5):232–41. PMID:10408348
- 2876.** Yamamoto T, Hirai Y, Miyake T, Hamada T, Yamasaki O, Morizane S, et al. (2016). Epstein-Barr virus reactivation is induced, but abortive, in cutaneous lesions of systemic hydroa vacciniforme and hypersensitivity to mosquito bites. *J Dermatol Sci.* 82(3):153–9. PMID:27039668
- 2877.** Yanagihara M, Oiso N, Tanaka H, Narita T, Enoki E, Kimura M, et al. (2015). Aleukemic solitary cutaneous myeloid sarcoma. *J Dermatol.* 42(8):844–5. PMID:25958929
- 2878.** Yang QX, Pei XJ, Tian XY, Li Y, Li Z (2012). Secondary cutaneous Epstein-Barr virus-associated diffuse large B-cell lymphoma in a patient with angioimmunoblastic T-cell lymphoma: a case report and review of literature. *Diagn Pathol.* 7:7. PMID:22260632
- 2879.** Yang Y, Lin J, Fang S, Han S, Song Z (2017). What's new in dermatology of Bowen's disease: two new dermoscopic signs and its differential diagnosis. *Int J Dermatol.* 56(10):1022–5. PMID:28832993
- 2880.** Yazdan P, Haghghat Z, Guitart J, Gerami P (2013). Epithelioid and fusiform blue nevus of chronically sun-damaged skin, an entity distinct from the epithelioid blue nevus of the Carney complex. *Am J Surg Pathol.* 37(1):81–8. PMID:22892599
- 2881.** Yeatman JM, Kilkenny M, Marks R (1997). The prevalence of seborrheic keratoses in an Australian population: does exposure to sunlight play a part in their frequency? *Br J Dermatol.* 137(3):411–4. PMID:9349339
- 2882.** Yeh I, Botton T, Talevich E, Shain AH, Sparatta AJ, de la Fouchardiere A, et al. (2015). Activating MET kinase rearrangements in melanoma and Spitz tumours. *Nat Commun.* 6:7174. PMID:26013381
- 2883.** Yeh I, Fang Y, Busam KJ (2012). Melanoma arising in a large plaque-type blue nevus with subcutaneous cellular nodules. *Am J Surg Pathol.* 36(8):1258–63. PMID:22790865
- 2884.** Yeh I, Lang UE, Durieux E, Tee MK, Jorapur A, Shain AH, et al. (2017). Combined activation of MAP kinase pathway and  $\beta$ -catenin signaling cause deep penetrating nevi. *Nat Commun.* 8(1):644. PMID:28935960
- 2885.** Yeh I, McCalmont TH (2010). Fingerprint CD34 immunopositivity. *J Cutan Pathol.* 37(11):1127–9. PMID:20849453
- 2886.** Yeh I, Tee MK, Botton T, Shain AH, Sparatta AJ, Gagnon A, et al. (2016). NTRK3 kinase fusions in Spitz tumours. *J Pathol.* 240(3):282–90. PMID:27477320
- 2887.** Yeh S (1973). Skin cancer in chronic arsenicism. *Hum Pathol.* 4(4):469–85. PMID:4750817
- 2888.** Yélamos O, Arva NC, Obregon R, Yazdan P, Wagner A, Guitart J, et al. (2015). A comparative study of proliferative nodules and lethal melanomas in congenital nevi from children. *Am J Surg Pathol.* 39(3):405–15. PMID:25517953
- 2889.** Yélamos O, Busam KJ, Lee C, Meldi Sholl L, Amin SM, Merkel EA, et al. (2015). Morphologic clues and utility of fluorescence in situ hybridization for the diagnosis of nevus melanoma. *J Cutan Pathol.* 42(11):796–806. PMID:26356543
- 2890.** Yi S, Zou D, Li C, Zhong S, Chen W, Li Z, et al. (2015). High incidence of MYC and BCL2 abnormalities in mantle cell lymphoma, although only MYC abnormality predicts poor survival. *Oncotarget.* 6(39):42362–71. PMID:26517511
- 2891.** Yilmaz I, Gamsizkan M, Sari SO, Yaman B, Demirkesen C, Heper A, et al. (2015). Molecular alterations in malignant blue nevi and related blue lesions. *Virchows Arch.* 467(6):723–32. PMID:26403583
- 2892.** Yim IH, Will MB, Carnochan FM, Walker WS (2016). A glomus tumor with recurrence and malignant transformation in the chest wall: a cautionary tale of seeding? *Ann Thorac Surg.* 102(5):e397–9. PMID:27772590
- 2893.** Yonekawa Y, Kim IK (2012). Epidemiology and management of uveal melanoma. *Hematol Oncol Clin North Am.* 26(6):1169–84. PMID:23116575
- 2894.** Yoon JH, Park HJ, Park SY, Park BK (2013). Langerhans cell histiocytosis in non-twin siblings. *Pediatr Int.* 55(3):e73–6. PMID:23782385
- 2895.** Yoshida A, Sekine S, Tsuta K, Fukayama M, Furuta K, Tsuda H (2012). NKX2.2 is a useful immunohistochemical marker for Ewing sarcoma. *Am J Surg Pathol.* 36(7):993–9. PMID:22446943
- 2896.** Yoshikawa H, Ueda T, Mori S, Araki N, Myoui A, Uchida A, et al. (1996). Dedifferentiated liposarcoma of the subcutis. *Am J Surg Pathol.* 20(12):1525–30. PMID:8944047
- 2897.** Youlden DR, Soyer HP, Youl PH, Fritsch L, Baade PD (2014). Incidence and survival for Merkel cell carcinoma in Queensland, Australia, 1993–2010. *JAMA Dermatol.* 150(8):864–72. PMID:24943712
- 2898.** Yu GP, Hu DN, McCormick S, Finger PT (2003). Conjunctival melanoma: is it increasing in the United States? *Am J Ophthalmol.* 135(6):800–6. PMID:12788119
- 2899.** Yu JB, Zuo Z, Tang Y, Zhao S, Zhang YC, Bi CF, et al. (2009). Extranodal nasal-type natural killer/T-cell lymphoma of the skin: a clinicopathologic study of 16 cases in China. *Hum Pathol.* 40(6):807–16. PMID:19200574
- 2899A.** Yu LL, Heenan PJ (1999). The morphological features of locally recurrent melanoma and cutaneous metastases of melanoma. *Hum Pathol.* 30(5):551–5. PMID:10333226
- 2900.** Yun SJ, Kim EJ, Kim SJ, Lee SC, Won YH, Lee JB (2005). The association of naevus lipomatosus with pilosebaceous abnormalities including fibrofolliculoma. *Br J Dermatol.* 153(1):209–10. PMID:16029355
- 2901.** Yun SJ, Kim SJ (2011). Images in clinical medicine. Hutchinson's nail sign. *N Engl J Med.* 364(18):e38. PMID:21542738
- 2902.** Zaenglein AL, Heintz P, Kamino H, Zisblatt M, Orlow SJ (2002). Congenital Spitz nevus clinically mimicking melanoma. *J Am Acad Dermatol.* 47(3):441–4. PMID:12196758
- 2903.** Zagars GK, Ballo MT, Pisters PW, Pollock RE, Patel SR, Benjamin RS, et al. (2003). Prognostic factors for patients with localized soft-tissue sarcoma treated with conservation surgery and radiation therapy: an analysis of 1225 patients. *Cancer.* 97(10):2530–43. PMID:12273153
- 2904.** Zaiac MN, Mlacker S, Shah VV, Simmons BJ (2016). Clinical pearl: the squeeze maneuver. *Cutis.* 97(3):202, 204. PMID:27023088
- 2905.** Zaim MT (1988). Sebocrine adenoma. An adnexal adenoma with sebaceous and apocrine poroma-like differentiation. *Am J Dermatopathol.* 10(4):311–8. PMID:2843062
- 2906.** Zala L, Ettlin C, Krebs A (1975). Focal dermal hypoplasia with keratoconus, papillomatosis of esophagus and hidrocystomas (author's transl). *Dermatologica.* 150(3):176–85. [German] PMID:1158014
- 2907.** Zalaudek I, Kreuzsch J, Giacometti J, Ferrara G, Catricalà C, Argenziano G (2010). How to diagnose nonpigmented skin tumors: a review of vascular structures seen with dermoscopy: part II. Nonmelanocytic skin tumors. *J Am Acad Dermatol.* 63(3):377–86. PMID:20708470
- 2908.** Zalaudek I, Piana S, Moscarella E, Longo C, Zendiri E, Castagnetti F, et al. (2014). Morphologic grading and treatment of facial actinic keratosis. *Clin Dermatol.* 32(1):80–7. PMID:24314380
- 2909.** Zamecnik M, Michal M (2007). Angiomatous spindle cell lipoma: report of three cases with immunohistochemical and ultrastructural study and reappraisal of former 'pseudoangiomatous' variant. *Pathol Int.* 57(1):26–31. PMID:17199739
- 2910.** Zamir E, Mechoulam H, Micera A, Levi-Schaffer F, Pe'er J (2002). Inflamed juvenile conjunctival naevus: clinicopathological characterisation. *Br J Ophthalmol.* 86(1):28–30. PMID:11801498
- 2911.** Zayour M, Bolognia JL, Lazova R (2012). Multiple Spitz nevi: a clinicopathologic study of 9 patients. *J Am Acad Dermatol.* 67(3):451–8, 458.e1–2. PMID:22300833
- 2912.** Zbacnik AP, Rawal A, Lee B, Wering R, Knapp D, Mesa H (2015). Cutaneous basal cell carcinomas: case report and literature review. *J Cutan Pathol.* 42(11):903–10. PMID:26268472
- 2913.** Zeff RA, Freitag A, Grin CM, Grant-Kels JM (1997). The immune response in halo nevi. *J Am Acad Dermatol.* 37(4):620–4. PMID:9344203
- 2914.** Zelger B, Kazakov DV, Zelger BG (2014). Clinical presentation of cutaneous adnexal tumors. *Pathologie.* 35(5):487–96. [German] PMID:25154603
- 2915.** Zelger B, Sidoroff A, Stanzl U, Fritsch PO, Ofner D, Zelger B, et al. (1994). Deep penetrating dermatofibroma versus dermatofibrosarcoma protuberans. A clinicopathologic comparison. *Am J Surg Pathol.* 18(7):677–86. PMID:8017562
- 2916.** Zelger B, Weinlich G, Zelger B (2000). Perineuroma. A frequently unrecognized entity with emphasis on a plexiform variant. *Adv Clin Pathol.* 4(1):25–33. PMID:10936896
- 2917.** Zelger B, Zelger BG, Burgdorf WH (2004). Dermatofibroma—a critical evaluation. *Int J Surg Pathol.* 12(4):333–44. PMID:15494859
- 2918.** Zelger BG, Sidoroff A, Zelger B (2000). Combined dermatofibroma: co-existence of two or more variant patterns in a single lesion. *Histopathology.* 36(6):529–39. PMID:10849095
- 2919.** Zelger BG, Stelzmueller I, Dunst KM, Zelger B (2008). Solid apocrine carcinoma of the skin: report of a rare adnexal neoplasm mimicking lobular breast carcinoma. *J Cutan Pathol.* 35(3):332–6. PMID:18251751
- 2920.** Zelger BG, Zelger B, Steiner H, Mikuz G (1995). Solitary giant xanthogranuloma and benign cephalic histiocytosis—variants of juvenile xanthogranuloma. *Br J Dermatol.* 133(4):598–604. PMID:7577591
- 2921.** Zelger BW, Sidoroff A, Orchard G, Cento R (1996). Non-Langerhans cell histiocytoses. A new unifying concept. *Am J Dermatopathol.* 18(5):490–504. PMID:8902096
- 2922.** Zelger BW, Zelger BG, Pflöer A, Steiner H, Fritsch PO (1995). Dermal spindle cell lipoma: plexiform and nodular variants. *Histopathology.* 27(6):533–40. PMID:8838333
- 2923.** Zelger BW, Zelger BG, Rappersberger K (1997). Prominent myofibroblastic differentiation. A pitfall in the diagnosis of dermatofibroma. *Am J Dermatopathol.* 19(2):138–46. PMID:9129698
- 2924.** Zelger BW, Zelger BG, Steiner H, Ofner D (1996). Aneurysmal and haemangiopericytoma-like fibrous histiocytoma. *J Clin Pathol.* 49(4):313–8. PMID:8655708
- 2925.** Zembowicz A (2017). Blue nevi and related tumors. *Clin Lab Med.* 37(3):401–15. PMID:28802492
- 2926.** Zembowicz A, Carney JA, Mihm MC (2004). Pigmented epithelioid melanocytoma: a low-grade melanocytic tumor with metastatic potential indistinguishable from animal-type melanoma and epithelioid blue nevus. *Am J Surg Pathol.* 28(1):31–40. PMID:14707961
- 2927.** Zembowicz A, Garcia CF, Tannous ZS, Mihm MC, Koerner F, Pilch BZ (2005). Eccrine mucin-producing sweat gland carcinoma: twelve new cases suggest that it is a precursor of some invasive mucinous carcinomas. *Am J Surg Pathol.* 29(10):1330–9. PMID:16154475



- 2928.** Zembowicz A, Knoepp SM, Bei T, Stergiopoulos S, Eng C, Mihm MC, et al. (2007). Loss of expression of protein kinase a regulatory subunit 1alpha in pigmented epithelioid melanocytoma but not in melanoma or other melanocytic lesions. *Am J Surg Pathol.* 31(11):1764–75. PMID:18059235
- 2929.** Zembowicz A, Mandal RV, Choopong P (2010). Melanocytic lesions of the conjunctiva. *Arch Pathol Lab Med.* 134(12):1785–92. PMID:21128776
- 2930.** Zembowicz A, McCusker M, Chiarelli C, Dei Tos AP, Granter SR, Calonje E, et al. (2001). Morphological analysis of nevoid melanoma: a study of 20 cases with a review of the literature. *Am J Dermatopathol.* 23(3):167–75. PMID:11391094
- 2931.** Zeren-Bilgin I, Gür S, Aydın O, Ermete M (2006). Melanoma arising in a hairy nevus spilus. *Int J Dermatol.* 45(11):1362–4. PMID:17076727
- 2932.** Zhang YH, Wang VL, Rapini RP, Torres-Cabala C, Prieto VG, Curry JL (2012). Syringocystadenocarcinoma papilliferum with transition to areas of squamous differentiation: a case report and review of the literature. *Am J Dermatopathol.* 34(4):428–33. PMID:22343110
- 2933.** Zhao T, Matsuoka M (2012). HBZ and its roles in HTLV-1 oncogenesis. *Front Microbiol.* 3:247. PMID:22787458
- 2934.** Zhou P, Zhang H, Bu H, Yin X, Zhang R, Fu J, et al. (2009). Paravertebral glomangiomas. Case report. *J Neurosurg.* 111(2):272–7. PMID:19267531
- 2935.** Zhou S, Zhou J, Liu S, Wang R, Wang Z (2015). Arsenical keratosis caused by medication: a case report and literature. *Int J Clin Exp Med.* 8(1):1487–90. PMID:25785160
- 2936.** Zhu GA, Danial C, Liu A, Li S, Su Chang AL (2014). Overall and progression-free survival in metastatic basosquamous cancer: a case series. *J Am Acad Dermatol.* 70(6):1145–6. PMID:24831322
- 2937.** Zhuang SM, Zhang GH, Chen WK, Chen SW, Wang LP, Li H, et al. (2013). Survival study and clinicopathological evaluation of trichilemmal carcinoma. *Mol Clin Oncol.* 1(3):499–502. PMID:24649199
- 2938.** Ziemer M (2012). Atypical fibroxanthoma. *J Dtsch Dermatol Ges.* 10(8):537–50. PMID:22709412
- 2939.** Ziemer M, Bornkessel A, Hahnfeld S, Weyers W (2005). 'Specific' cutaneous infiltrate of B-cell chronic lymphocytic leukemia at the site of a florid herpes simplex infection. *J Cutan Pathol.* 32(8):581–4. PMID:16115059
- 2940.** Zinzani PL, Quagliano P, Pimpinelli N, Berti E, Baliva G, Rupoli S, et al. (2006). Prognostic factors in primary cutaneous B-cell lymphoma: the Italian Study Group for Cutaneous Lymphomas. *J Clin Oncol.* 24(9):1376–82. PMID:16492713
- 2941.** Zreik RT, Carter JM, Sukov WR, Ahrens WA, Fritchey KJ, Montgomery EA, et al. (2016). TGFBR3 and MGEA5 rearrangements are much more common in "hybrid" hemosiderotic fibrolipomatous tumor-myxoinflammatory fibroblastic sarcomas than in classical myxoinflammatory fibroblastic sarcomas: a morphological and fluorescence in situ hybridization study. *Hum Pathol.* 53:14–24. PMID:26980036
- 2942.** Zukerberg LR, Nickoloff BJ, Weiss SW (1993). Kaposiform hemangioendothelioma of infancy and childhood. An aggressive neoplasm associated with Kasabach-Merritt syndrome and lymphangiomatosis. *Am J Surg Pathol.* 17(4):321–8. PMID:8494101
- 2943.** Zvulunov A, Barak Y, Metzker A (1995). Juvenile xanthogranuloma, neurofibromatosis, and juvenile chronic myelogenous leukemia. World statistical analysis. *Arch Dermatol.* 131(8):904–8. PMID:7632061